

APPENDIX B: AMINO ACID SEQUENCES

> RXA00013 (1-873, translated) 291 residues
 MEGMTNPEQT HPAASLEDMI KTITKTFVIA HDQDSDEHLA QALVYNAGRL AWRMRENGVD
 TDYKTSVSDV VTDADRAAEA FVAGVLEALR PEDGVLGEEG ADRASKSGKT WVIDPVDGTY
 NFTQGS DYWC SALALVEGDP SAPSRVLF GA VHRPAMGYTW FGGPGIRTTL DGKELDLLVD
 APLNQISLAT YIHPSRIAEP DIQKAWMSVA THPATLRMFG AGSIDLANIA DGSMGAWVQH
 SVADWDWLPG RALIEGVGGA CIKVTAGGVE WSVAGNAEAV SEISETLSAL D

> RXA00014 (1-780, translated) 260 residues
 MSKYADDLAL ALELAELADS ITLDRFEASD LEVSSKPDMT PVSDADLATE EALREKIATA
 RPADSILGEE FGGDVEFSGR QWIIDPIDGT KNYVRGVVPVW ATLIALLDNG KPVAGVISAP
 ALARRWWASE GAGAWRTFNG SSPRKLSVSQ VSKLDDASLS FSSLSGWAER DLRDQFVSLT
 DTTWRLRGYG DFFSYCLVAE GAVDIAAEPE VSLWDLAPLS ILVTEAGGKF TSLAGVDGPH
 GGDVATNGI LHDETLDRLK

> RXA00030 (1-390, translated) 130 residues
 MRIEITSVFV DDQAKALDFY TTKLGFELKH DVTAGDYRWL TVVDPENPDG VQLLLEPNQH
 PDAATYQAGI KRDGIPATQF YVDDVQEEYD SLKDKGVDFI MEPTDVGPSV IAILDDTVGN
 LIQIVQLKQN

> RXA00032 (1-1509, translated) 503 residues
 MNTPLQLNTE NLQEIASTSG VQIPAFNRAD VAPGIVHFGV GGFHRAHQAM YLNELMNEGK
 ALDWGIIGMG VMPSDVRMRD ALASQDHLYT LTTKAPDGTL DQKIIGSIID YVFAPEDPAR
 AVATLAQDSI RIVSLTVTEG GYNIDPATED FDHTNPRIVA DREALQAGDT STLQTFEGLI
 TAALISRKES GSTPFTIMSC DNIQGNGLA KRFFLAFAHS VSSELGEWVE NNVAFPNSMV
 DRITPETTDG DRDDIKEIGY IDAWPVVSED FTQWVLEDAF TQGRPAYEEV GVQVVSDEVP
 YELMKLRLLN ASHQGLCYFG HLAGHHMVHD VMADTRFQDF LLAYMEREAT PTLKELPGVD
 LDAYRRQLIA RFGNAAVKDT VPRICAESSD RIPKWLLPVV RENLAAGR DV TLSAAIVASW
 ARYAEGTDEQ GNPIKIVDRL SERVQENASG NRTDILSFIR DRGIFGDLVD AEPFTKAYSE
 TLSSLHDRGA EATIDALLTQ VTV

> RXA00038 (1-1158, translated) 386 residues
 MSFAEHAIW HVYPLGALGA PIRPEAPAPV THRLPNLIGW LDYVVELGCN ALMLGPVFES
 VSHGYDTLDF YRIDPRLGTE EDMDALLEAA NQRGIGVLF DGVFNHVSSSS KYLDLTTGAS
 FEGHDILAE L DHTNPAVVDL VVDVMNHWLD RGIAGWRLDA VYAIAPFEWE KVLPEVRRKH
 PHAWIVGEMI HGDYS DYVKS SGIDSVTEYE LWKAIWSSIK ERNFFELEWT LSRHNEFLDT
 FVPQTFIGNH DVTRIATRIG QSNAILAAAI LFTVGGTPSI YYGDEQGFTG LKEDNVFGDD
 AIRPPLPAEF SPLGTWIENI YKALIALRRQ HPWLYQAHT E VLEIANEAMT YKSVGLGSEE
 LTVHLDLEEV SVRILDGEKV LFQYSA

> RXA00041 (1-1242, translated) 414 residues
 MHTELSSLRP AYHVTPPQGR LNDPNGMYVD GDTLHVYYQH DPGFPPAPKR TGWAHTTTPL
 TGPQRLQWTH LPDALYPDAS YDLGDCYSGG AVFTDGT LKL FYTGNLKIDG KRRATQNLVE
 VEDPTGLMGG IHRSPKNPL IDGPASGFTP HYRDPMISPD GDGWMVLGA QRENLTGA AV
 LYRSTDLN EW EFSGEITFDL SDAQPGSAPD LVPGGYMWEC PNLFTLRDEE TGEDLDVLIF
 CPQGLDRIHD EVTHYASSDQ CGYVVGKLEG TTFRVLRGFS ELDFGHEFYA PQVAVNGSDA
 WLVGWMGLPA QDDHPTVARE GWVHCLTVPR KLHLRNHAIY QELLLPEGES GVIRSVLGSE
 PVRVDIRGNI SLEWDGVRLS VDRGGDRRA EVKPGELVIA DDNTAIEITA GDGQ

> RXA00042 (1-759, translated) 253 residues
 MDIIICKDEQ EVGKAAAALI APFATKGGTL GLATGSSPLS TYQELIRMYE AGEVSFKNCK
 AFLLD EYVGL TRDDENS YFK TIRKEFTDHI DIVDEEVYSP DGANPDYEA AA EYEAKIAA
 ESDVQILGI GNGHIAFNE PSSSLSG LTK VQALHPKTVE DNARFFNTIE EVPTHALTQG
 LGTLSRAQNI VLVATGEGKA DAIRGTVEGP LTAMCPGSIL QMHNNATIIV DEAAASKLEN
 ADHYRLMEQL KLR

> RXA00043 (1-1164, translated) 388 residues

MAEVVHYQEN AGQAVKKIEG RIVTPHGVID GFLQLENGII TELSGEPAPK NAGFHPPELPT
 IVPSFIDLHN HGGNGGAFPT GTQDQARNAA QYHREHGTTV MLASMVSAPA DALAAQVENL
 IPLCEEGLLC GIHLEGPFIN ACRCGAQNPDL FIFPGNPDTL AQVIHAGKGW IKSITVAPET
 DNLTELLDLC AAHHIIASFG HTDADFDTT SAIALAKEKN VTVTATHLFN AMPPLHHRDP
 GSVGALLAAA RAGDAYVELI ADGVHLADGT VDLARSNNAF FITDAMEAAG MPDGEYILGV
 LNVTVTDGVA RLRDGGAIAG GTSTLASQFV HHVRRGMTLI DATLHTSTVA AKILGLSDHE
 IVKSNPVNFV VFDSNGQLQQ VHLDHQVI

> RXA00055 (1-138, translated) 46 residues
 VDVVDIARWQ FGITTVYHFI FVPLTIGLAP LVAIMQTFWQ VTGKEH

> RXA00098 (1-1620, translated) 540 residues
 MADISTTQVW QDLTDHYSNF QATTTLRELFK EENRAEKYTF SAAGLHVDLS KNLLDDATLT
 KLLALTEESG LRERIDAMFA GEHLNNTEDR AVLHTALRLP AEADLSVDGQ DVAADVHEVL
 GRMRDFATAL RSGNWLGHGT HTIKKIVNIG IGGSDLGPAM ATKALRAYAT AGISAEFVSN
 VDPADLVSVL EDLDAESTLF VIASKTFTTQ ETLSNARAAR AWLVEKLGEE AVAKHFVAVS
 TNAEKVAEFG IDTDNMFGFW DWVGGGRYSVD SAVGLSLMAV IGPRDFMRFL GGFHAMDEHF
 RTTKFEENV P ILMALLGVWY SDFYGAETHA VLPYSEDLSR FAAYLQQLT M ESNGKSVHRD
 GSPVSTGTGE IYWGEPTNG QHAFFQLIHQ GTRLVPADFI GFARPKQDLP AGERTMHDLL
 MSNFFAQTKV LAFGKNAEEI AAEGVAPELV NHKVMPPGNRP TTTILAEELT PSILGALIAL
 YEHIWMVQGV IWDINSFDQW GVELGKQQAN DLAPAVSGEE DVDSGDSSTD SLIKWYRANR

> RXA00148 (1-1998, translated) 666 residues
 MTSIPNFS DI PLTAETRASE SHNV DAGKVW NTPEGIDVKR VFTQADRDEA QAAGHPVDSL
 PGQKPFMRGP YPTMYTNQPW TIRQYAGFST AAESNAFYRR NLAAGQKGLS VAFDLATHRG
 YDSDNERVVG DVG MAGVAID SILD MRQLFD GIDLSSVSVS MTMNGAVLPI LAFYIVAAEE
 QGVGPEQLAG TIQNDILKEF MVRNTYIYP KPSMRIISNI FEYTS LKMPR FNSISISGYH
 IQEAGATADL ELAYTLADGI EYIRAGKEVG LDVDKFAPRL SFFWGISM Y FMEIAKL RAG
 RLLWSELVAK FDPKNASQS LRTHSQTSGW SLTAQDVYNN VARTAI EAMA ATQGH TQSLH
 TNALDEALAL PTDFSARIAR NTQ LLLQQES GTVRPVPDPA GSYYVEWLTN ELANRARKHI
 DEVEEAGGMA QATAQGIPKL RIEESAARTQ ARIDSGRQAL IGVNRYVAEE DEEIEVLKVD
 NTKVRAEQLA KLAQLKAERN DAEVKAALDA LTAAARNEHK EPGDL DQNL KLAVD AARAK
 ATIGEISDAL EVVFG RHEAE IRTLSGVYKD EVGKEGTVSN VERAIALADA FEAE EGRPR
 IFIAKMGQDG HDRGQKVVAS AYADLGMDVD VGPLFQTPAE AARAAVDADV HVGMS SLAA
 GHLLTL

RXA00149 (1-1848, translated) 616 residues
 LTDLT KTAVP EELSENLE TW YKAVAGVFAR TQKKDIGDIA VDVWKKLIVT TPDGVDINPL
 YTRADESQRK FTEVPGEFFP TRGTTVDGER VGWGV TETFG HDSPKNINAA VLNALNSGTT
 TLGFEFSEEF TAADLKVALE GYVLNMAPLL IHAGGSTSEV AAALYTLAEE AGTFFAALT L
 GSRPLTAQVD GSHSDTIEEA VQLAVNASKR ANVRAILVDG SSFSNQGASD AQEIGLSIAA
 GVDYVRRLVD AGLSTEAL K QVAFRFAVD EQFAQISKLR VARRLWARVC EVLGFPELAV
 APQHAVTARA MFSQRDPWVN MLRSTVA AFA AGVGATDVE VRTFDDAIPD GVPGVSRNFA
 HRIARNTNLL LLEESHLGHV VDPAGGSYFV ESFTDDLAEK AWAVFSGIEA EGGYSAACAS
 GTVTAMLDQT WEQTRADV AS RKKKLTGINE FPNLAESPLP ADRRVEPAGV RRWAADFEAL
 RNRSDAFLEK NGARPQITMI PLGPLSKHNI RTGFTSNLLA SGGIEAINPG QLVPGTDAFA
 EAAQAAGIVV VCGTDQEYAE TGEGAVEKLR EAGVERILLA GAPKSFEGSA HAPDGYLNMT
 IDAAATLADL LDALGA

> RXA00195 (1-561, translated) 187 residues
 VTKKILILGS TGSIGTQALD VIADNSDKFE VVGIAAGGSQ PDLVISQAQQ LGLAADKVAV
 ADAQAAAVIS KALGGEIISG TDAAKILVET TKADTVLNAL VGSLGLAATL ATLESGAHLA
 LANKESLVAG GEFVTSKAKL GQIIPVDSEH SAMAQCLRS G TRDEVARIVL TASGGPFRAF
 PGRRCGR

> RXA00196 (1-615, translated) 205 residues
 MWEVTPEQAA AHPTWAMGQM NTLNSATLIN KGLELIEATL LFETDADLID VTVHPQSIH
 SMITFTDGAT IAQASPPSMK LPIALALDWP HRVPKAQPAL DFTAAHTWAF EPVDDAAFFA
 VQLARHVAKQ KGTYPVYNA ANEEAAEAF L RGRIKFPQIV DVVDEV LQGA SQFAGVASHV
 DDILATESEA RARANALINR LATNL

> RXA00202 (1-942, translated) 314 residues
 MYARKLIAALS ASVVLAFLSLS ACNRESSGTS ADGGSADGSI TLALSTQTNP FFFVQLRDGAQ
 EKADELGVTL NVQDASDDAA TQANQLNNAV TTGAGVVIVN PTDSDAVVPS VEALNQADIP
 VVAVDRSSNG GEVASFVASD NVAGGAQAAA ALAEAIGGEG EILMLQGIAG SSASRDRGQG
 FEEIIAKHEG ISIVAKQTAN FDRGEGLDVA TNLLQAHPNV KAIFAENDEM ALGAIEALGA
 RAGEDVIVVG FDGTNDGLAA VEDGRMLATV AQQPEELGAK AVEEAAKLLR GEDAETEVPV
 EVVTVKLDNV ADFK

> RXA00206 (1-1038, translated) 346 residues
 MEDMRIATLT SGGDCPGLNA VIRGIVRTAS NEFGSTVVGY QDGWEGLLGD RRVQLYDDED
 IDRILLRGGT ILGTGRLHPD KFKAGIDQIK ANLEDAGIDA LIPIGGEGTL KGAKWLSNDG
 IPVVGVPKTI DNDVNGTDFT FGFDTA VAVA TDAVDRLHTT AESHNRVMIV EVMGRHVGWI
 ALHAGMAGGA HYTVIPEVPF DIAEICKAME RRFQMGEKYG IIVVAEGALP REGTMELREG
 HIDQFGHKTF TGIGQQIADE IHVRLGHDVR TTVLGHIQRG GTPTAFDRVL ATRYGVRAAR
 ACHEGSFQDV VALKGESIEI ITFEEAVGTL KEVPFERWVT AQAMFG

> RXA00224 (1-951, translated) 317 residues
 MSISYVLVEQ LDGRPEPVTI ELITAARALG DVVAVVVGEP GAGVNLAAEL GNWGAAQVVS
 AEISGASNRL ILPAVDALHI LAANNPGPIV IAATASGNEI AGRLAARLAS GVLTDVVGIN
 ADRTAQQSIF GDTIQVSAAV GGASPLYTLR PGALDGVAVP ATGELATIEI PGATAKDVTI
 TSFTPTSTQSD RPELPQAKVV IAGGRGVGSE ENFRSIVEPL ADALGGAVGA TRDAVDLGYG
 PGEYQVGQTG VTVSPDLYIG LGISGAIQHT SGMQTAKKVI VINNDEDAPI FQIADLGTVG
 DLFDIAPALI EEINKRK

> RXA00225 (1-786, translated) 262 residues
 MSTIVVLVKN VPDTWSKRTL EADFTLDREG VDRVLDEINE FALEQALRLR ESNPDAGYRV
 VALSAGPAGG EEALRKALSM GADEAIQLSD DALAGSDDL G TAWALNNAIN TIAGVALIVT
 GSASSDGSMD ALPGVLAEYR QVPALTNLSA LKVEGASITA TRIDNHGTYE LQAALPAVVS
 ISDKADKPRF PNFKGIMAAK KAEIKKLSLA EIGVAPEQVG LSHAATAVTA AADRPERSQG
 DVIGASGAEE KIAEYLAZEN LI

> RXA00235 (1-1275, translated) 425 residues
 VAEIMHVFAR EILDSRGNPT VEAFLDLDG SHGVAGVPSG ASTGVHEAHE LRDGGDRYLK
 KGVLKAVENV NEEIGDELAL LEADDQRLID EAMIKLDGTA NKSRLGANAI LGVSMATAKA
 AADSAGLPLF YLIGGPNHAV LPVPMNIIIT GGAHADSGVD VQEFMIAPIG AETFSEALRN
 GAEVYHALKS VIKKGLSTG LGDEGGFAPS VGSTREALDL IVEAIEKAGF TPGKDIALAL
 DVASSEFFKD GTYHFEGGQH SAAEMANVYA ELVDAYPIVS IEDPLQEDDW EGYTNLTATI
 GDKVQIVGDD FVVTNPERLK EGIKKAANS ILVKVNIQIG LTETFDVADM AHRAGYTSMM
 SHRSGETEDT TIADLAVALN CGQIKTGAPA RSDRVAKYNQ LLRIEQLLGD AGVYAGRSF
 PRFQG

> RXA00246 (1-1035, translated) 345 residues
 MTTAAPQEFT AAVVEKFGHD VTKDIDLPK PGPHQALVKV LTSGICHTDL HALEGDWVPK
 PEPFVPGHE GVGEVVELGP GEHDVKVGI VGNALWSAC GTCEYCITGR ETQCNEAIEY
 GYTQNGSFGQ YMLVDTRYAA RIPDGVLYE AAPILCAGVT VYKALKVSET RPKQFMVISG
 VGGLGHIAVQ YAAAMGMRVI AVDIADDKLE LARKHGAFT VNARNEDSGE AVQKYTNGGA
 HGVLVTAVHE AAFGQALDMA RRAGTIVFNG LPPGEFPASV FNIVFKGLTI RGSVLGTRQD
 LAEALDFFAR GLIKPTVSEC SLDEVNGVLD RMRNGKIDGR VAIRF

> RXA00251 (1-708, translated) 236 residues
 MKKKIADVTT ATGGMGIEIV KDLSRDHIVY ALGRNPEHLA ALAEIEGVEP IESDIVKEVL
 EEGVDKLN LDHVDTLVHA AAVARDTTIE AGSVAEWHAH LDNLVIVPAE LSRQLLPALR
 AASGCVIYIN SGAGNGPHPG NTIYAASKHA LRGLADAFRK EEANNGIRVS TVSPGPTNTP
 MLQGLMDSQG TNFRPEIYIE PKEIANAIRF VIDAGETTQI TNVDVRPRIE LADRKD

> RXA00268 (1-831, translated) 277 residues
 MARGFFLGAT AGRTTLTGEG LQHMDGHSPV LASTNEGVET YDPSFAYEIA HLVHRGIDRM
 YGPGKGEDVI YYITINYNEPT PQPAEPEGLD VEGHLKGIYL YSRGEGTGHE ANILASGVGM

QWALKAASIL EADYGVRANI YSATSWVNLA RDGAARNKAQ LRNPGADAGE AFVTTQLKQT
SGPYVAVSDF STDLPNQIRE WVPGDYTVLG ADGFGFSDTR PAARRFFNID AESIVVAVLN
SLAREGKIDV SVAAQAAEF KLDDPTSVSV DPNAPEE

> RXA00288 (1-1011, translated) 337 residues

MSAQMDTPDP TMSAVAMLDI IPSDQPDFLI DVEVDRPTPG PHDLLVHIEA VSINPVDTKV
RMRAGKQKHP KILGFDAAGE VVAVGSQVTL FNVGDKVFYA GSNQRPGSNA EYQVVDRLV
GHAPQSLGAH DAAALPLVAL TAWESLFDRL GVTQSTTGTL LVLGGSGGVP SALIQLARAL
TGLKVVATAS RPESQEWVTK LGAHEVIDHS KDLSEQISDV DVFSSWTTG REVELATLMK
PQSHLVLIID PVDPNLGAFK QKAIALHWEF MFTRAMFNTF DMGEQKGILN KIADMVDRGQ
FESVTATVLD GLNAANIMEG HRLVEQKGTS GKIVVRV

> RXA00290 (1-963, translated) 321 residues

MTIDLQRSTQ NLTHEEIFEH HEGGKLSISS TRPLRDMRDL SLAYTPGVAQ VCEAIKEDPE
VARTHTGIGN TVAVISDGTA VLGLGDIGPQ ASLPVMEGKA QLFSSFAGLK AIPVLDVHD
VDALVETIAA IAPSGAINL EDISAPRCFE VERRLIERLD IPVMHDDQHG TAVVILAALR
NSLKLLDRKI EDLKIVISGA GAAGVAAVDM LTNAGATDIV VLDSRGIHD SREDLSPVKA
ALAEKTNPRG ISGGINEAFT GADLFIGVSG GNIGEDALKL MAPEPILFTL ANPTPEIDPE
LSQKYGAIVA TGPVLTCLTR S

> RXA00293 (1-912, translated) 304 residues

MKIFVGFQDY PLTTKALKEA GAEIVDSLEK AEGFVFTQTP GTEFPLLPDG VRWVQFPNAG
LNAYFTAGQI DDKRRWSNAS GYVGQQVAEA AMALLGLIH MHPTMVRADS WAPSTQIDQQ
TRWLDGATVA IVGAGGIGKH LAAMLKPFGA KSLAVSRTGT PTQDFDATEP ISNLHQVLAD
ADHVVLVPL TADTYHLIGK AELKAMQSTA ILINVARGEV VDTEALVDAL DAQEISGAGL
DVTDPPEPLD DHPLWGRSNV IITPHVANTL TSMRMLAPV VAENYRRFLA GEKMLTEVDI
HKGY

> RXA00296 (1-2835, translated) 945 residues

TIKENRLDPE VFSQHSRAKL RTDMTTAAAY SSDAGIFRRV PAAVAEPENV EQIRDAIABA
VARGWSVGR GGGSSVAGNA IGEGLIIDS RYFNRIIDID PVAQTAVVEP GVVCDALRDA
AAEFGLTYGP DPSTHSRCTI GGMVANNACG SHSVAFGTAA ENLVDVTLML SDGREVTVTK
DGCDDAEINQ KLTDLASKNQ DLISKELGRF PRQVSGYGLH YLAHDMAMK AGTEGTIGII
TRLTVKLVPT PKVKALAVLA FDTVFDAARA AAKLRLPGVA TIEGMGGDLL AALRSKQGS
EAGQNLPGNR IGIEAGGWLY CETGSDTLQA AVQAAEEVAT AVDTIDYVVV SEPSEMRELW
RIRESSAGIV TRLADGGEAW PNWEDSAVPP ENLADYLRDL YALMDKFDYQ GIPFGHFGEG
CVHVRISFDF STKEGLKKFE AFMNEASTLV ASYGGSLSGE HGDGRARSSF LDRMYSAEMR
ALFEEFKLIF DPQRIFNPGV LVWADPVMQG LRMDPGQAL DITPVHKFSK DKGSMINAVN
RCVGVSACRS ESDAMCPSFQ ITGDEVHSTR GRARLLSEMF RGEIADGYR SEEVNEALDL
CLSCKACASE CPVNVDMSTY KAEFLDKHYA GRLRPMAYV MGWLPPLGHV AHKIPLPLTL
IDATMQSALT APVVRKVGGG ADRPLISFAH RSLRKYKPKK NSGETVVLWP DSFNTNLDTG
PAHAAIKTLE ALGYNVVIPD GFVCCGLTWH STQGLSMTKK VLEQTAKVMK PYLDQGLTVV
GLEPSCVTML QDEATELSDN PDLARLAALT KPFAEVIAPK ITELVESGSL QLTESTALTQ
VHCHERSLGD PQQSALVLEA LGVKDEQIAT GCCGLAGNWG FEKDHAEMSF ALGERELFPK
VRKAEGHVIA DGFSCRTQIE QGTGKQATHL AEVVLSILEQ NNMAQ

> RXA00309 (1-312, translated) 104 residues

MGQCTVALYR EHSYYTATPW RGTWAADGGG VLMTQAIHYI DLLYWLLGEP VEVFGYTNSF
KHGDNIEVED SAVATVRFES GALATISATT AAEPALGAQV QVMG

> RXA00310 (1-435, translated) 145 residues

MSDKIWKVGI ICGGAISRNI IEAVQAIPGA EVSAVCDVDG AKASEAAYK GISPSFTSVD
EILASGVDIV AVCTPHPTHE TVVLAAGAG VHVLCCKPIA IELDSAQRMV DACESAGVQL
GVLFQRRFWP AAQKMKKEPS WANAR

> RXA00317 (1-339, translated) 113 residues

VTTPSKKTLL FDLDTGLVDS FPGIRTSFLH TLHEKNWEIP SEERISQVPG PPMEWTFQDL
GMTPEQAQDA LQTYLEHYGQ VGWDLSEAFP GMRDILLIPLI YEGFRLCTAT FQG

> RXA00327 (1-384, translated) 128 residues
 MIQAALWIVL FLFADRLSNP LVFVSAIMFA ISFSSPVANF GFDTICEKLD RRVMVAGTGM
 ANMSAYICAM LATQIIGFLL DWNADGHAYT WSNFQVAWLG LGAVWLAGMI GLAVCLLLQR
 RKNIAFR

> RXA00328 (1-492, translated) 164 residues
 VGVERGKVSA KALVVWLTAM CVYIVAIAGR TSFGVAGVHA IDRFDIDASR LAVFTSVQVG
 VYVLAQIPMG MLVDREFDARK LLLAGALILA AGQLILGFTD SYMIAIFARV LISVGDSAAF
 LSVMRLLPNW FPMSWTPVLQ QLTGAFGFVG QFSPPCRFCT YSTP

> RXA00329 (1-1224, translated) 408 residues
 MAAITSRTSF GVAGVEAIDR FQVDATRIAV FTSVQVGVYA FAQIPMGILI DKFGPRKLLA
 IGALVMGIGQ LILGFTDSYS IAIIRVFIG AGDASIFLSV MRILPFWFPL KHTPIFTQLT
 TCLGQLGQFF SAVPFMALLG AQGWPFVAFVS LGSVVALIAI AALVAVRDTF DPQPKPVESA
 QEADKPSLRA SLKLIVRNPI TWQGFFIHYV LMVWQTVFSM MWGVPLMTLG MGLSATTAGL
 VLSINTLCMV VSAPIIGIIS ARLGYRRDVV AIALSFVQSA VWLVFLASDA PRGLMAIILV
 NIVMGLTTAA SGYGFDTIRE RLDRKILAAG TGLANMGGFL SSMVAAQVMG FLLDHSAGHS
 TYTWVDFRFG FLAILVTWAV GVTGFVVARL KGGPGRLLA QIRSTKDF

> RXA00340 (1-1146, translated) 382 residues
 VKLVIEADGG SRGNPGVAGS GTVVYSDNKA EVLKEIAYVV GTKATNNVAE YRGLLEGLKA
 ARELGATSVD VYMSDKLVVE QMSGRWKIKH PDMKVLAIEA KEIASEIGSV SYTWIPREKN
 KRADALSNA MDAAAAGKPV GVVGDASVS SASSVAGSEK EDLNCETETK TNWNGATTDP
 TRFLLLRHGQ TAMSVARLYS GRSNPELSEL GEKQAAAAAR RLAQTGGIDA IVSSPLTRTM
 QTAEAAAAAL GMKVRVIDDL IETDFGLWDG KSFSEAHEQD PELHTKWLT DSSVAPPGES
 LQTVNRRVKK ARESLQREYG AANVLVSVSHV TPIKAIMRQA LDAGPSFFQK AHLDLASLSI
 AEFYEDGPTC VRLFNDTSHL EA

> RXA00379 (1-207, translated) 69 residues
 MSEIVVAQSI GQQFADVAAS GPLFLGILAA ALAGLVSFAS PCVVPLVPGY ISYLAGVVGG
 EVEYSAHAT

> RXA00381 (1-606, translated) 202 residues
 MTQTIVHLVR HGEVHNPEKI LYGRMPGYRL SSRGRSQAAR TAASFEGHDV TYIAASPLQR
 VQETSEPFIK VTGLELITDE DLLEAGNRFE GLRTKGWRSQ LWNVVRWPLM YNPTLPSWGE
 HYTDILERMM AAVRARVAA EGHEAILVTH QLPVVCVQRH ARGQSLSHNP ATRQCDLASV
 TSLVFQDDQI VGVHYNEPAQ EI

> RXA00385 (1-339, translated) 113 residues
 LGGVFALGWT PCLGPTLAAI ISISAGTEGM TAARGVILIV GYCLGLGLPF LLIALGSSKA
 LTGVEWLRKH SRTLQIIGV FLILVGVALL SGSWAIFINW VRQWTVEYGA TLL

> RXA00386 (1-510, translated) 170 residues
 MLPVNQTYAQ FSDTAFVSAY IIYVLALILS LVYYVKQQGI IDARREQTRV SELVGAGGSA
 DVDTDLPDDI ADGVLADEDL AKREETARKL ANMTQSLMWL GVMVHLVSIV MRALSASRFP
 FGNLYEYILM VTLFAMIGAV LILQRPQFRV VWPWILTPMA GTWFSTVAPS

> RXA00388 (1-303, translated) 101 residues
 TLDNLAYKTA IWTVPFGLG IILGAIWAEA AWGRFWGWDW KETVSFITWV LYAGYLHARA
 TAGWRNTNAA WINILALVTM IFNLFFINMV VSGLHSYAGL N

> RXA00406 (1-975, translated) 325 residues
 DPVEVAADTQ EMIITRIIDN ASVQAASVLR RPVSSARAMA QVRPVTGGRG ASVFGLPGRY
 AAEWAAALANG TAVRELDLFDH TFLAAEYSHP GDNIPPILAA AQQAGKGGKD LIRGIATGYE
 IQVNLVRGMC LHEHKIDHVA HLGPSAAAGI GTLLDLVDVT IYQAIGQALH TTTATRQSRK
 GAISSWKAFPA PAFAGKMSIE AVDRAMRGE GAPSIIWEGED GVIAWLLSGL DHIYTIPLPA
 EGEAKRAILD TYTKEHSAEY QSQAPIDLAR SMGEKLAAQG LDLRDVDSIV LHTSHHHTHYV
 IGTGSNDPQK FDPDASRETL DHSIM

> RXA00427 (1-432, translated) 144 residues

LLPGIASLFN GALISAYAME RIGVPDYRLF IRGDEVEYHR RLVRSGLPFG TCLTTAYLHP
DGSDEFKPIIL GGRMHTQYPD NDFKRFFTYR NRGYLMSPQG MRKLLPQEYA RFAWFFLVQK
RDVKGFWREW RLHKLGRDEK FNRP

> RXA00483 (1-1464, translated) 488 residues
VLVTGATGYI GGRLITELLA AGFQVRATSR KKTSLQRFDW YEDVEAVEAD LTDATELDTL
FKDQDVVYYL VHSMGGKNVD FEEQEQTAE NVIQAADQAG IKQIVYLSGL HPRNRKIEEL
SKHMRSREKV AQILLAGQTP ALILRAATII GSGSASFEII RHLTERLPRM IAPQWITNQI
EPLAIRDVLH YLISAADLKD PVNRSCDIGC GKSYEFADLL RIYADVRGLK RHNVSVPNLN
PMDKLSGLWI SLVTPVPFQL SFPLAQSMAC DAVTEEHSIK DIISDPPDGF IEYREAVELA
LAAEFDRGVP TSWDRSWTVQ QPWAGQPTDP EWAGKAVYED VRTEDTDLRA AQVWPIIEGL
GGVNGWYSAP LLWRLRGIAD RLIGGPGLGG RRDPRHLKLG DRIDWWRVTE IDPPHRLVLT
AEMKVDGGAW LILEVADKEN GGCTYTQRAI FEPKGLPGYL YWVVVSPFHA IIFPYMRSNI
LKAARKLT

> RXA00511 (1-513, translated) 171 residues
ELRKNTLVGT VMSNLGLKIA MDEAGITLRT TKVGDRYVLE DLNAGGFSLG GEQSGHIVLP
DHGTTGDGTL TGLSIMARMA ETGKSLGELA QAMTVLPQVL INVPVSDKST IVSHPSVVA
IAEAEAEELGA TGRVLLRASG TEELFRVMVE AGDKEQARRI AGRLAHVVAE V

> RXA00512 (1-618, translated) 206 residues
MSSATTTDVR KGLYGVIA DY TAVSKVMPET NSLTIRGYAV EDLVENCSEF EVFYLLWHGE
LPTAQQLAEF NERGRSYRSL DAGLISLIHS LPKEAHPMDV MRTAVSYMGT KDSEYFTTDS
EHIRKVGHTL LAQLPMVLAM DIRRRKGLDI IAPDSSKSVA ENLLSMVFGT GPESPASNPA
DVRDFEKS LI LYAEHSFNAS TFTARV

> RXA00514 (1-408, translated) 136 residues
HERSYAPERA LRRETIELWN KISTVEDPEW TRRYHSVDPA EKAFGARAVI TFKDGTVVED
ELAVANAHPL GARPFAREQY IQKFRTLAEG VVSEKEQDRF LDAAQRTHL EDLSELNIEL
DADILAKAPV IPEGLF

> RXA00517 (1-1041, translated) 347 residues
MPEVTVNAQQ LTVLCTDILT KTGVPAAAH LVGDSLQVAD LWGHPHSHGVL RLPWYVRR LH
SGAMTTHAHV EVLNDLGAVL ALDGHNGIGQ VLADHARKEA VTRAMMFGIG AVSVRNSNH
GTAMYYTRKA AAQGCVSILT TNASPAMAPW GGREKRIGTN PWSIAAPFGE TATVVDIANT
AVARGKIYHA RQTNMPIPET WAITSEGAPT TDPAEAINGV VLPMAGHKGY AISFMMDVLS
GVLTGSQHST KVHGPYDPTP PGGAGHLFIA LDVAAFRRDPQ DFDDALSDLV GEVKSTPKAQ
NTEEIFYPGE SEDRAHRKNS AHGISLPEKT WMELQELAI E NHVVTHR

> RXA00518 (1-297, translated) 99 residues
VLPVLAARHD GEKWVAMYEN MRDAMDARTG IKPNLDFPAG PAYHLLGFPV DFFTPLFVIA
RVAGWTAHIV EQYENNSLIR PLSEYNGEEQ REVAPIEKR

> RXA00521 (1-1059, translated) 353 residues
LDAADEVQIK HIAADGTETI LKDSLKLLEG EVLDGTVLSA KALDAFLLEQ VARAKAEGIL
FSAHLKATMM KVS DPIIFGH VVRAYFADV AQYGEQLLAA GLNGENGLAA ILSGLES LND
GEEIKAAFEK GLEDGPD LAM VNSARGITNL HVP SDVIVDA SMPAMIRTSG HMWNKDDQEQ
DTLAIIPDSS YAGVYQTVIE DCRKNGAFDP TTMGTVPNVG LMAQKAE EYG SHDKTFRIEA
DGVVQVSSN GDVLIEHDVE ANDIWRACQV KDAPIQDWVK LAVTRSLSG MPAVFWLDPE
RAHDRNLASL VEKYLADHDT EGLDIQILYP VEATQLSIDR IRRGEDTISV TGN

> RXA00606 (1-1749, translated) 583 residues
MASVPPLLGF VSKEGMITAF MDAPIGNSYV VLLLVGAAIG AVLTFTYS AK LVLGAFVDGP
RDMSHVKEAP VSLWLPAALP GLMSLPLVLV LSLFDAPVSA AATSAAGEAA HMLALWHGI
NTPLLISLGV LVAGILGVLF RKELWKIAET SPFPIATGND ILSMLVYRAN LLGKFFGRMA
DSMSPRRHLV SLIVLLWALA AFATIHPSVQ LAPKQPGIDR WIDLIP LAII ALSVFGLLT
RNRLSAAVLV GTVGVGVSFQ MLLLGAPDVA LTQFLVEGLV VVIIMMVVRH QPANFKRIKP
SRRRSTVLVA VLAAFAAFMA VWGLLGRHER SELAMWYLNQ GPEITSGANV VNTILVEFRA
LDTLGELSVL GMAAVVIGAM VASMPRHPFA KGTHPRPFGQ SQLNSIPLRM LLKVLVPALC
FLSFMVFMRG HNPDGGGFIA ALIAGGALML LYLSKAKDGR IFRPNVPFIL TGAGILMAVF

SGVLGLTHGS FLYAIHFNFV GQHWTTSMIF DLGVYLAVLG MVSMAINGLG GYLRLPGTDNA
 DLDYARRSGP LPATPTVEPE PEGDEDWPEP INPAGDNKEE ANR

> RXA00608 (1-765, translated) 255 residues
 MAMDVLLPIF VAVPLAASAI AVLLPWRLIR DILHIIVPFA GIFAGIWLFA HTAEHGPIAH
 NVGLYVGGVA IPFAADTFSA IMLITTSIVA VAANWFATIV GETRARFYPA LTLMLITGVN
 GALLTADLFN FFVFIEVMLL PSYGLIAMTG TWARLASGRI FVLVNLSAST LLVAGVGIVY
 GVIGSVNIAA LQDVVEGNPL VASAMGIVVI AIAVKAGVFP VHTWLPRTYP GTSAAVMGLF
 SGLHTKVAVY MLYRI

> RXA00635 (1-921, translated) 307 residues
 GTDFPYSDFL PKDNVAQVDI NGAHIGRRTT VKYPVTGDVA ATIENILPHV KEKTDRSFLD
 RMLKAHERKL SSVVETYTHN VEKHPVPIHPE YVASILNELA DKDAVFTVDT GMCNVWHARY
 IENPEGTRDF VGSFRHGTMA NALPHAIGAQ SVDRNRQVIA MCGDGGLGML LGELLTVKLH
 QLPLKAVVFN NSSLGMVKLE MLVEGQPEFG TDHEEVNFAE IAAAAGIKSV RITDPKKVRE
 QLAEALAYPG PVLIDIVTDP NALSIPPTIT WEQVMGFSKA ATRTVFGGGV GAMIDLARSN
 IRNIPTP

> RXA00679 (1-1266, translated) 422 residues
 MNTSAETGIL IIGANQSGVQ LAISLRATGF TESITLLGEE DHRPYQRPAL SKEFLQDKID
 KERLIFRSNE YWEENNIRLV KGVRIERIEK NDDGSGVAYG AGQEFAFRRL ALAVGARPRH
 LDLPGLATLEG VTYLRNADDA LALKAMIGSV TDAVVVGGGF IGLEAACSLH EDGKNVTVLE
 YGPRLIGRAV GEETAFFLE QHRSRGVNIV LDARMKQFVG KDGLKSGIEL DLGTVIPAQL
 VIVGIGVIPN TELA AVLGLD INNGIVVDKH AVASDGTIA IGDVANIPNP IPGSPADERI
 RLESVNNAIE HAKIAAYSLV GQPEAYAGIP WFWSNQGLK LQIAGLTLGY DSTVIRQDPE
 KKKFSVLYYR GDNIIAADCV NAPLDFMAVR SALS RNQNP ADLAADISQP LKKLAVDLEV
 TR

> RXA00680 (1-318, translated) 106 residues
 MSTIHFIHDA GKTRTIEATV GDSVMETAVR NGVPGIVAEC GGSLSATCH VFVDPAQYDA
 LPPMEEMEDE MLWGAAVDRE DCSRLSCQIK VTEGMDLSLT TPETQV

> RXA00682 (1-1899, translated) 633 residues
 MANKSFPPKPS DLPVPKGAEG WEDLYPYLV FQDKLMDQEN EKFWFCDSQH WPTVFKPFET
 JGGEFAVKCL GQYNARHLMI PNANGIEFRV HLGLYMSPI PVPEDQIAER VPMFQERITH
 YFQNWEPMLA NWKERVLTGT NELESLEFKP LPDYVPIDDI VSGKAKDGTE VLMENFDRLI
 QLAYQNWQYH FEFLNLGYIA YLDFNFCKE VFPDIPDQSI SMMVQGVDM E LFRPDDELKI
 LAQLAVDLGL QTHFANPDDP QATLAAIAKA EGGATWIARW EEAQDPWFNF TVGNFGYGH
 KYWIEHLELP LGYIADYIRR LDEGQTISR KDELIAEKER VVEEYRDL D GEQLAQFDAK
 CGLAATAYPY VENHNFYIEH WTMSVFWRV RELSRTLQGY GFWENEDDML YLNRTVVRDV
 LFDLATAWGV GAPGGPIGTI IWPEEIERK AIVTALKTAR PAPALNTPPE SITEPFTRLM
 WGITTEQVQS WLGNDDEAE GTLKGMAASP GVVEGYARVI LSADDLSEIQ QDEILVAPVT
 APSWGPIFGK IKATVTDIGG MMSHAAIVCR EYGLPAVTGT GAASTTIKTG DYLVKVDGTKG
 KVVIVDPDAF RIEGPGAHSH AHSVAAHGVD THA

> RXA00683 (1-1092, translated) 364 residues
 MTNSLNIPFV QRFDEGLDPV LEVLGGKGAS LVTMTDAGMP VPPGFVVTTA SFDEFIREAG
 VAEHIDKFLN DLDAEDVKEV DRVSAIRDE LCSDLVPENA RFAVHQAYRD LMERCGGDVP
 VAVRSSATAE DLPDASFAGQ QDTYLWQVGL SAVTEHIRKC WASLFTSRAI IYRLKNNIPN
 EGLSMVVVQ KMVNSRVAGV AITMNPSNGD RSKITIDSSW GVGEMVVSSE VTPDNILLDK
 ITLQVVSEHI GSKHAELIPD ATSGSLVEKP VDEERANRRS LTDEEMLAVA QMAKRAEKHY
 KCPQDIEWAL DADLPDGENL LLLQSRPETI HSNVKKETP TPQAAKTIGT FDFSSITVAM
 TGTK

> RXA00686 (1-804, translated) 268 residues
 MAGGNREPGR TVTSKVI AVL GAFEHTMRPL GVTEIAELAD LPPSTTHRLV SELTEGGLLS
 KKSDGRYQLG LRIWELAQNT GRQLRDTARP FIQELYSLS ETAQLVVRDK DEALLIDRAY
 GTKKIPRSAR VGGRLPLNST AVGKILLAFD EPWVKQSYLK LPLNASTPKT IVNPDVLAAQ
 LKQIHSQGFA ITHDEQRIGG ASIAPVWHT GKLGAALGLV VPTAQANLE RYLPILQATS
 QRITKATALI PLDTLLASHK NAERKGD

> RXA00700 (1-804, translated) 268 residues
 MINAITLKPK TFLTSLFLAV LSIVIFFWPL IVNPESFLSD KAQAPLYIAI VIPLVLAIVI
 AEISENGFDV KAVAMLGVLV AMVAVVRPFG AGAAGFEAVF FVLILGGRFV GPGFGFILGN
 TGLFASALLT AGIGPWLPHY MLAAAWVSFG AGLLPQVRGK KEMLIIVLYA IVSSLGYGTM
 MNMSFWPYAI GVTSGLSFTP GAPVLENLHT FMLFCLTSM GWDLGRAFFT SVLLLLLTAKP
 VLGA LRASR RAAFGVERDF GEAGVPRV

> RXA00703 (1-2286, translated) 762 residues
 MTTTPTEISN VNPTANEFDD PDVGRRITSA AGVPGVLHAL QHAVPNRALL PLLTMNKPFG
 IDCPGCAWPE PSTANLGVVE FCENGAKAVA EETTPDRAGK EFWAEHSIYD LREKTDHWLG
 KRGRITEPMF YDRSSGDDHY RPISWDRAFA IIASKLREIE PDEAVFYTSR RAPNEPAYML
 QLLARRLGTH NLPDCGNMCH ESTGTALGET LGLGKGSVVM EDFYNTDLLI SVQNPQGTNH
 PRALTAFKEL KENGGKILAL NMPETGLMK FREPQSVKGA LSISDKLADE YLQIRLDGDR
 AFFQALNKEL IRRDALDHAF LDKFCSGVDE TIEHLKSLDD EVLLKGCGLT AAEINKAADM
 VEKSDTVVVS WTLGVTHQHN AVYTIREMVN FLLLTGNIGK PGAGTAPLRG HSNVQGDRTM
 GIWEKMPEAF LAALENEFGF DVPRKHGFDV VNSLRAMREG KTKFFLSLGG NLVRVSSDTS
 VVEKGMESNE LTVHLSTKPN GSQAWPGEQS LILPVIARTD KDVQKSGVQR VTVEDSAGAV
 HASTGKRTAN KDLNLKSECD IIGTIGKQTF GDAFWQPMID NYDVVRDHIE ATIPGFHDFN
 RRIDNPGGFL LPNGPRERIF NTSNGKAQLT VNETNVIPL KDYLLMNTVR SHDQYNSTIY
 GLDDRYRGVR NGRRVVFVNP QDCKQRLKLD GDIVDIVSVF DDGERRAPNF RVVEYDTARD
 CVTTYFPEAN VLVPLDSVAE KSNTPVSKSV VVRLEATGRT AS

> RXA00705 (1-885, translated) 295 residues
 PRVVSTDEQV FVNTRPDTVA VEEPLEIRVN GTALTMTMRT PGHDIELVHG LLLSEGLITD
 ASEVFTARYC AGAVGPDNQN TYNVLELDVI PKDNPARDPV QNPSHNPEGS QHEALHIPTF
 QPVRELNLVA AQRNVLTSTA CGVCGTTSIE QLMNKKGWPI TPITPDPRMI VSLPDKLKSK
 QKIFDKTGGV HAAGLATLDG EMLIIREDDV RHNAADKVI NMLMAGKLPL ENTILVMSSR
 ASFELVQKAA MAGISGVIAV GAATSLAIEA AQDSGIFLAG FVRGNKFNHY AGELG

> RXA00782 (1-882, translated) 294 residues
 MSIFLNSDSR IIIQGITGSE GSEHARRILA SGAKLVGGTN PRKAGQTILI NDTELPVFGT
 VKEAMEETGA DVTVIFVPPA FAKAAIEAI DAHIPLCVII TEGIPVRDAS EAWAYAKKVG
 HTRIIGPNCP GIITPGESLA GITPANIAGS GPIGLISKSG TLTYQMMYEL SDIGISTAIG
 IGGDPIIGTT HIDALEAFEA DPETKAIVMI GEIGGDAEER AADFISKHVT KPVVGYVAGE
 TAPEGKTMGH AGAIVTGSEG TARAKKHALE AVGVVRVGTTP SETAKLMREV VAAL

> RXA00783 (1-1272, translated) 424 residues
 LKHLRLREDF VKDAEGSKHG PEMELAVDLF EYQARDLFET HGVPVLKGIV ASTPEAARKA
 AEEIGGLTVV KAQVKVGGRG KAGGVRVAPT SAQAFDAADA ILGMDIKGHT VNQVMVAQGA
 DIAEEYFYSI LLDRANRSYL AMCSVEGME IEILAKEKPE ALAKVEVDPL TGIDEDKARE
 IVTAAGFETE VAEKVIPVLI KIWQVYEEE ATILVEVNPLV LTDDGDVIAL DGKITLDDNA
 DFRHDNRGAL AESAGGLDIL ELKAKKNDLN YVKLDGSGVI IGNGAGLVMS TLDIVAAAGE
 RHGGQRPANF LDIGGGASAE SMAAGLDVIL GDSQVRSVVF NVFGGITACD VVAKGIVGAL
 DVLGDQATKP LVVRLDGNNV VEGRRILAEY NHPLVTVVEG MDAAADHAAH LANLAQHGF
 ATAN

> RXA00794 (1-1005, translated) 335 residues
 MNLKNPETPD RNLA MELVRV TEAAALASGR WVGRGMKNEG DGAAMDAMRQ LINSVTMKG
 VVIGEKEKDE APMLYNGEEV GTGFGPEVDI AVDPVDGTTL MAEGRPNAIS ILAAAERGTM
 YDPSSVFYMK KIAVGPEAAG KIDIEAPVAH NINAVAKSKG INPSDVTVVV LDRPRHIELI
 ADIRRAGAKV RLISDGDVAG AVAAAQDSNS VDIMMGTGGT PEGITACAM KCMGGEIQGI
 LAPMNDFERQ KAHDAGLVLD QVLHTNDLVS SDNCYFVATG VTNGDMLRGV SYRANGATTR
 SLVMRAKSGT IRHIESVHQL SKLQEYSVVD YTTAT

> RXA00799 (1-1584, translated) 528 residues
 LQFRDLGDG VLAPYEDWRL TPAERAADLV KRMNVEEKAG LMIIGSHYPG YSPLAPESEG
 KDAEKCEPLL NPVDMWREDN PITGVPFTEP VLATSTENA INLRNQRYLI VRDNLPARGL
 ATWTNAVQEV AERSRLGIPV AFASNPRNHV ALVAQFGVNE SAGVFSEWPG ELGLAALRDA
 ELMETFGTEA AKEWRAGGVH KLYGYMADLA SEPRWSRFNG TFGEDPELIS DYIAAVVRGL

QGPESKNSV STTIKHFP GG GVRLDGHD PH FHWGQTNEYP TEDALGKYHL PPFQAAIDAG
 CASIMPYAR PMNNSANQLD QQLWQNPTTQ FEEVAFAYNR TFIQDLLRDA MGRGYVNSD
 SGVIDAMMWG VEELSEPERF AAARAGTDI FSDMANPRRL LEAVAEGHLD ESELNQPVQR
 LLEEIFQLGL FENPYVSEDE AEKII GAPEV SALGNKAQLD SVTLLRNNPI RAATGSCSKP
 EDLPIGYWPY QDRRGSTTAG SSHSRRTPRG NLGVFRVRSR SCNRVGSP

> RXA00800 (1-1104, translated) 368 residues

MSTVVP GIVA LSKGAPVEKV NVVVPDPGAN DVIVKIQACG VCHTDLAYRD GDISDEFPYL
 LGHEAAGIVE EVGESVTHVE VGDFVILNWR AVCGECRACK KGEPKYCFNT HNASKKMTLE
 DGTLSPALG IGAFLEKTLV HEGQCTKVNP EEDPAAAGLL GCGIMAGLGA AVNTGDIKRG
 ESVAIFGLGG VGMAAIIAGAK IAGASKIIAV DIDEKKLEWA KEFGATH TIN SSSLGGE GDA
 SEVVAKVREL TDGFGTDVSI DAVGIMPTWQ QAFYSRDHAG RMVMVGVPNL TSRVDVPAID
 FYGRGGSVRP AWYGDCLPER DFPTYVDLHL QGRFPLDKFV SERIGLDDVE EAFNTMKAGD
 VLRSVVEI

> RXA00825 (1-933, translated) 311 residues

MRTVVTGGAG FIGSHLVDLL IKEGHEVVVI DNLSRGRLEN LSDAEATGKL TEVEADLLDV
 DFNEFLGTHK PEVIFHLAAQ IDVRHSVVD LHD AETNLS TIRIADAARQ HGVRKVVFST
 SGGSIYGEPS EFPVDETVPV DPHSPYAASK VSGEIYLN TF RHLYGLDCSH IAPANVYGP
 QDPHGAEAGV AIFALRLLGG LDTKVFGDGG NTRDYVYVGD VVRAFYLASG EIGGGERFNI
 GTSVETSDRQ LHTLVATAAG SKDDPEYAPA RLGDVPR SAL SFGKAKEVLG WEPEVNIEQG
 VAKTVEYFRT H

> RXA00871 (1-864, translated) 288 residues

MRWFHKKGEL ARDGWQSVVD ATTPGWEYTG IRIAELSGSE SLELNDTGVE RIFIPLQGSF
 DVAAHHGQVTH LHGRKSVFDG PTDVLYLPTG QTATLSGQGR VAVAEAPTQE PKEWKYIAPA
 ETPVEIRGAG RSSRQVHNFG TPEALDAARL IVCEVITPGE NWSSYP PHKH DEHIPGHESK
 LEEIYYFESA PSRVGGRAEA AEGAFGMFST YSSPAGEIDI NAMVYSGDIA LVPFGYHGPA
 VAAFGYDLYY LNMVAGPDPE RIWLINDDPA HAWVRDTWTG QAFDDR LP

> RXA00872 (1-522, translated) 174 residues

MTNLTSTHEV LAIGRLGVDI YPLQSGVGLA DVQSF GKYL GSAANVSVA ARHGHNSALL
 SRVGNDFPGE YLLAELERLG VDNQYVATDQ TFKTPVTFCE IFPPDDFPLY FYREPKAPDL
 NIESADVSLD DVREADILWF TLTGFSEEPS RGTREILTT RANRRHTIFD LDYR

> RXA00879 (1-2100, translated) 700 residues

LNELADLYGV ATSYTDYKGA HIEVSDDTLV KILRALGVNL DTSNLPNDDA IQRQIALFHD
 REFTRPLPPS VVAVEGDELV FPHVHDGSP ADVHIELEDG TQRDVSQVEN WTAPREIDGI
 RWGEASFKIP GDLPLGWHKL HLKSNSAE CGLIITPARL STADKYLDSP RSGVMAQIYS
 VRSTLSWGMG DFNDLGNLAS VVAQDGADFL LINPMHAAEP LPPTEDSPYL PTTRRFINPI
 YIRVEDIPEF NQLEIDL RDD IAEMAAEFRE RNLTSDIER NDVYAAKLQV LRAIFEMPRS
 SEREANFVSF VQREGQGLID FATWCADRET AQSESVHGTE PDRDELT MFY MWLQWLCDEQ
 LAAAQKRAVD AGMSIGIMAD LAVGVHPGGA DAQNLSHVLA PDASVGAPPD GYNQOQDWS
 QPPWHPVRLA EEGYIPWRNL LRTVLRHSGG IRVDHVLGLF RLFVMPRMQS PATGTIYIFD
 HNALVGILAL EAELAGAVVI GEDLGT FEPW VQDALAQ RGI MGTSILWFEH SPSQPGPRRQ
 EEYRPLALTT VTTHDL PPTA GYLEGEHIAL RERLGV LNTD PAELAEDLQ WQAEILDVAA
 SANALPAREY VGLERDQ RGE LAELLEGLHT FVAKTPSALT CVCLVDMVGE KRAQNQPGTT
 RDMYPNWCIP LCDSEGNSVL IESLRENELY HRVAKASKRD

> RXA00909 (1-855, translated) 285 residues

VLILFLALTA AAVVAPILIR TLGRPAGLL ALVP GIGFFW VLSEFIKGT F KDGGELL LHY
 AWMPSAHLNI DFRMDSL AAL FSLIVLGVA LVLLYCWGYF DSNAGRLSAF GAELVAFAMA
 MFGLVISDNI LLMYVFEIT SVLSFLLVGY YGERASSRRS AGQALMVTTL GGLAMLVGII
 LMGTQTGVWR FSEIPAYSSS WADVPIYISAA AALILAGALS KSAIAPTHFW LPGAMAAPT P
 VSAYLHSAAM VKAGIYLVAR LSPDLNVVGS WYLI IIP LGM LTMLM

> RXA00910 (1-1257, translated) 419 residues

YVGFEVLLVA SYVLLTLGAS PARVRSGVGY VMVSMAS MV FLFGLAMVYA SVGT LNMAHV
 GLRMEDVPSG TRSAIFAVLL VAFGIKAAVF PLDSWLPDSY PTAPSLVTAV FAGLLTKVGV
 YSIIRARSII FTDGSLDTML MWVALATMLI GILGAMAQND IKRLLSFTLV SHIGYMI FGV

ALGSAQGLSG AIFYAIHHIL VQTSFLVLVVG LVERQAGSSS LRRLGSLAYI SPLLAIFYFI
 PAINLGGIPP FSGFLGKIML IEAGAEDGSW LAWVLIAGAV VTSLLTLYTM VLVWSKAFWR
 DRKDAPDGAT ALARPAPLVD VQDEVAVKDR NDVGRMPWGM VFSTALLVSA SLAVSVLAGP
 LSSITGRAAE SAQDVNIYRA AVLGPNYLDP SRTLEMERYD ANRDDINHRV DTNGTEDQP

> RXA00913 (1-2118, translated) 706 residues

IISVVGIGTR EALLAGLALT VAHSLFKATL FMTVGAI DHT TGTDIRKLS GLWRKQPILF
 AVAAVSAASM AGIPPLFGFI AKETALDTV L NEQMLHGMPG RLMLAGIVLG SIFTMAYSCY
 FLYEAFATKH SKFPEANGVS PAVEAMHPVK FKLWIAPVIL AILT VVFGVF PKPVSEAI VT
 HLDNVTPSLD DVHTKLALWH GLNLPLLLSV VIIISGFIIF WERDTVERLR PNTAAFSGAD
 TAYDAILDAL RVLSHRLTAS TQRGSLTLNV GVIFFVLTIV PLIALITGEQ SDRMELWDS
 PIQGFIAAII IVVAIVATTM DNRLSALILV GVTGYGIAVI FALHGAPDLA LTQVLVETIV
 MVVFMLVLRK MPTEVAWKAE PKQSRVRAWL AGATGLSVVI VTIFAMNART TEPISVYMQD
 LAYEIGHGAN TVNVLLVDLR GFDTFGEISV LVIAATG IAS LVYRNRSFRK DSRRPTLATT
 GRRWLAAAVD TERAQNRSLM VDVATRILFP AMIMLSVYFF FAGHNAPGGG FAGGLVASLA
 FALRYLAGGR EELEEALPID AGRILGTGLF VSATAVLWPM VLLGEPPLTS HIWDLTLPLI
 GEIHASALL FDLGVYLIVI GLTMHILNSL GGQLDRDEEM RKQRRARDRAR RLARNQRREA
 ATVGARRSNE KSTRQMPTIR PPGADTESVE QNGENQTSIS TKRLKQ

> RXA00945 (1-972, translated) 324 residues

MLERLKR LDP LIVLIVLAVI VAIIPVRGV AADWFDVAVK IAIALLFFLY GARLSTQEAL
 NGLKHWRLHL TILAITFGIF PLIGIGLEPM TAFVSEDIYR GILFLTIVPS TVQSSVAFTS
 IAKGNVAGAI VSASLSNLG VFLTPLLVM L IMSAGGGVHV DSQVFLDIAI QLLLPFILGQ
 VCRRWVKNFA ANKATKIVDR GSIAMVVYSA FSAGMVAGIW STVSVLEIIY LIVFAILLVM
 AMLWFTLFMA TRLGFN RADS IAIQFCGTTK SLATGLPMAA VIFGGANIGL LILPLMIFHQ
 VQLMICAWLA ARYGRDAQEQ KANA

> RXA00965 (1-723, translated) 241 residues

MTTFHDLPIE ERLTLARLGT SHYSRQLSLV DNAEFGEHSL LEGWTRSHLI AHVAYNAIAL
 CNLMHWANTG EETPMYVSPE ARNEEIIAYGS TLNPDALRNL HEHSVARLDV AWRETS ED AW
 SHEVLTAQGR TVPASETLWM RSREVWIHAV DLGAVATFGD IPEVILRTLA AEITQK WTSQ
 GAGEGLVLDD EPSSTRYPAA PGQDEVVVSG SLAGIVRYAA GRGSDGV TSS TGEVPEPPRW
 L

> RXA00999 (1-1437, translated) 479 residues

MTNGDNLAQI GVVGLAVMGS NLARNFARNG NTVAVYNRST DKTDKLIADH GSEGNFIPSA
 TVEEFVASLE KPRRAIIMVQ AGNATDAVIN QLADAMDEGD IIIDGGNALY TDTIRREKEI
 SARGLHFVGA GISGGEAGAL NGPSIMPGGP AKSYESLGPL LESIAANVDG TPCVTHIGPD
 GAGHFVKMVH NGIEYADMVQ IGEAYHLLRY AAGMQPAEIA EVFKEWNAGD LDSYLIEITA
 EVLSQVDAET GKPLIDVIDD AAGQKGTGRW TVKAALDLGI ATTGIGEAVF ARALSGATSQ
 RAAAQGNLPA GVLTDLEALG VDKAQFVEDV RRALYASKLV AYAQGFDEIK AGSDENNWDV
 DPRDLATIWR GGCIIRAKFL NRIVEAYDAN AELESLLLD P YFKSELGD LI DSWRRVIVTA
 TQLGLPIPVF ASSLSYYDSL RAERLPAALI QGQRDFFGAH TYKRIDK DGS FHTEWSGDR

> RXA01015 (1-342, translated) 114 residues

MRVYLGADHA GFETKNAIAE HLKAHGHEVI DCGAHTYDAE DDYPAF CIEA ASRTVNDPGS
 LGIVLGGSGN GEQIAANKVK GARCALAWSV ETARLAREHN NANLIGIGGR MHSE

> RXA01025 (1-915, translated) 305 residues

VVSVSVMGAG SWGTTLAKVF SDAGNAVTLW ARREELASTI RDSHENRDYL PGITLPESLQ
 VTSSATEALE GAAIVVLAIP SQALRGNLAE WKETIPQDAT LVSLAKGIEK GTHLRMSEVI
 AEVTEADPSR IAVLSGPNLA REIAEGQPAA TVIACP DENR AKLVQA AVAA PYFRPYTNTD
 VVGTEIGGAC KNVIALACGI SHGYGLGENT NASLITRGLA EIARLGATLG ADAKTFSGLA
 GMGDLVATCS SPLSRNRSFG ERLGQGESLE KAREATNGQV AEGVISSQSI FDLATKL GVE
 MPITQ

> RXA01048 (1-288, translated) 96 residues

RSDLPNQINN VLAAPGIFAG ALAAKAKKIT PEMKLAAQRQ SQTSQLRTSR SAASCLPPWI
 PALPQQRQL SRPSPKRKTL KNLLIDASLP VEAPIF

> RXA01049 (1-1011, translated) 337 residues
 VVKTEFEKEF NKAKYVMTIG EYVYFKLAGI TGMATSIAAW SGILDAHTGE LDLTILEHIG
 VDPALFGEIR NPDEPATDAK VVDKKWKHLE EIPWFHAIPD GWPSNIGPGA VDSKTAVAA
 ATSGAMRVIL PSVPEQIPSG LWCYRVSRDQ CIVGGALNDV GRAVTWLERT IIKPENLDEV
 LIREPLEGTP AVLPPFFSGER SIGWAASAQA TITNIQEQTG PEHLWRGVFE ALALSYQRVW
 EHMKGAGAAP ERVIASGRVS TDHPEFLAML SDALDTPVIP LEMKRATLRG TALIVLEQLE
 PGGTRATPPF GTTHQPRFAH HYSKARELFD ALYLKLV

> RXA01050 (1-474, translated) 158 residues
 MGSIPTMSIP FDDSRGPYVL AMDIGSTASR GGLYDASGCP IKGTKQRESH EFTTGEGVST
 IDADQVVSEI TSVINGILNA ADHHNIKDQI AVALDSFAS SLILVDGEGN ALTPCITYAD
 SRSAQYVEQL RAEIDEKAYH GRTGVCLHTS YHPSRLLW

> RXA01077 (1-1371, translated) 457 residues
 MTESQDLAAF VEAAKLNDAS PEAVEQLKIR VLDTVGVAIG ALDAEPIVAI RGLLEDLGGT
 EQSTLIGGGK TSPERAAFFN SALSRYLDFM DAYLAKGETN HPSDNFGAVL AAAESVGASG
 KDLLTAFAVA YQVHTRLSDV APVRAKGFHD TTQGAFAAGA SAAKALGLPA DQIANALAI
 GTANVALRVT RTGNLSHWKG LAYPHVSKEG TWAALLASRG ITGPPEEVFEG NKGFKESVSG
 PFEIDWSKED LESVKRTIHK KHNAEIHQS ALDAAQEIRA QEGFNVDNIE KIHLLTFDVA
 YSIIGGGEED DKQLIRTKEE ADHSLPWMLA VVLLDQGQNP EQYEPSRIVA DDVQTLMKKI
 EITPSDEFSD RFPDHPADL EVTLNDGSVF KASQDSYLG F HDNPLDWDNA RKKFDALVTP
 FTGEELREEI ATIIHELDSR QVSELTEALA KVSTTRS

> RXA01089 (1-750, translated) 250 residues
 LSRFAANLSL TFTELDLDR FDAASKHAFS AVEFQYPYDF DVQEIQRAD SAGLPIELFN
 APPGDTFGLA ALASPEDFQQ SIEQAITYAT VLKPKKMHVM AGIADVTSET TARYVENIRW
 AAQQLDKLDV VVVIEPINHY SVPGYFLHTL EQAYWLIDSI AHPNVKILFD TFHLQIHN
 LTRRLREVHG AGLLGHVQVA SVPDRHEPGT GEVNAAYIFQ LLSELGYDGV IAGEYHPAGE
 TTAGLGWLEL

> RXA01093 (1-1431, translated) 477 residues
 MGVDRTKIV CTLGPAVASA DGILRLVEDG MDVARLNFSH GDHPDHEQNY KVVREAAEKT
 GRAVGILADL QGPKIRLGRF TDGATVWENG ETIRITVDDV EGTHDRVSTT YKNLAKDAKP
 GDRLLVDDGK VGLVCVSVEG NDVICEVVEG GPVSNNKGVS LPGMDISVPA LSEKDIRDLR
 FALKLGVDI ALSFVRSPAD AELVHKIMDE EGRRVPVIAK LEKPEAVTSL EPIVLAFDAV
 MVARGDLGVE VPLEEVPLVQ KRAIQIAREN AKPVIVATQM LDSMIENSRL TRAEASDVAN
 AVLGDADAVM LSGETSVGKD PHNVVRTMSR IVRFAETDGR VPDLTHTPRT KRGVISYSAR
 DIAERLNARA LVAFTTSGDT AKRVARLHSH LPLLVTFTNE AVRSELALTW GATTFLCPPV
 SDTDDMMREV DRALLAMPEY NKGDMVVVA GSPPGVTGNT NMIHVHLLGD DTRIACL

> RXA01099 (1-825, translated) 275 residues
 MDARGMLAIA EAVVDDAEAL FMQGFGAAPA HMKSPGDFAT EVDMAIESHM RSMNLNMTGI
 AVIGEEGGA TSGTRWVIDP IDGTANFAAS NPMSAILVSL LVDDQPVLGI TSMPMLGKRL
 TAFEGSFLMI NGEPEPLQE QSSLVSHIGF SSMASPRNTA FPVELRRDLL TELTESYLRP
 RITGSVGVDL AFTAQGIFGA CVSFSPHVWD NSAGVMLMRA AGAQVTDTEG HPWAPGRGVV
 AGTKRAHDVL LSKIEKVRML HADAGNDQSL NEEYK

> RXA01111 (1-447, translated) 149 residues
 MTSTIEHSYQ VWPGHAYPLG STYDGAGTNF ALFSDVAERV ELCLLDADNN ETRIPLEERD
 AHIWHCYLPG VQPGQRYGFR VHGPWNPDG KRCDAKLLV DPYARAFDGD FDGHPSLFSY
 DITNPNDPNG RNTEDSIDHT MKSVVVNPF

> RXA01130 (1-303, translated) 101 residues
 VGALTGLERV EKITRINGRG LDLRAEGLNL FLQYTDAPGA LGTVGTKLGA AGINIEAAAL
 TQAEKGDGAV LILRVESAVS EELEAEINAE LGATSFQVDL D

> RXA01133 (1-549, translated) 183 residues
 VSQNGRPVVL IADKLAQSTV DALGDAVEVR WVDGPNRPEL LDAVKEADAL LVRSAATTVDA

EVIAAAPNLK IVGRAGVGLD NVDIPAATEA GVMVANAPTS NIHSACEHAI SLLLSTARQI
 LLLMRRCVRA SGSGLLSTVW KFSEKLSVSS VLATLVSCLL SVLLRLRPPL LLTILTLTL
 RAG

> RXA01193 (1-741, translated) 247 residues

MRVALSGLTM AEYFRDVQNO DVLLFIDNIF RFTQAGSEVS TLLGRMPASV GYQPTLADEM
 GVLQERITST KGRSITSLQA VYVPADDYTD PAPATTF AHL DATTELDRSI ASKGIYPAVN
 PLTSTSRILE PAIVGERHYE VSQRVIGILQ KNKELQDIIA ILGMDELSEE DKITVARARR
 IERFLGQNFV VAEKFTGLPG SYVPLTDTVD AFERICNGDF DHYPEQAFNG LGGLDDVEAA
 YKKLTGK

> RXA01194 (1-372, translated) 124 residues

MAEITVELVS VERMLWAGQA SIVTAQTTEG EIGVLPDHEP LLGQLVENG VTIQPIDGEK
 LIAGVSDGFL SVSKEKVTIL ADFAVWANEV DTASAEADLN SDDELAKAHA EAGLRAVRRS
 SEGL

> RXA01200 (1-609, translated) 203 residues

GCLRWKSEPS VLEVLKDAE QTWSTPREFR AGLVQLGRR LLSAEKQGG LGQVEDELFR
 LSRILDRESK LTQLLSDRTO EIGGRRDLLA KVLVYKVTAV TEALALQAIG RPEHNPIDDI
 AALAGAVAEL QGRSVAVHVT AVELNEGQQQ ALAEKLGRIY GRAMSIHSEV DTSLLGGMII
 RVGDEVIDGS TSGKLERLRA SFA

> RXA01201 (1-1641, translated) 547 residues

MAELTISSDE IRSAIANYTS SYSAEASREE VGVVISAADG IAQVSGLPVS MANELLEFP
 GVIGVAQNLE ADRVGVVVLG NYELLKEGDQ VVRTGDVLSI PVGEAFLGRV INPLGQPIDG
 LGEIASEEDR VLELQAPTIV ERQPVEEPLA TGIKAIAMT PIGRGQRQLI IGDRKTGKTA
 VCVDTILNQK ANWETGDKTK QVRCIYVAIG QKGSTIAAIR KTL EEQGALE YTTIVAAPAS
 DAAGFKWLAP FAGAALAHW MYQGNHVLVI YDDLTKQAEA YRAISLLLR PPGREAYPGD
 VFYLHSRLLE RAAKLSDELG AGSITALPII ETKANDVSF IPTNVISITD GQVFLESDF
 NRGVRPAINV GVSVS RVGGA AQTGKMKKVA GSLRLDLAAF RDLEAFATFA SLDAAASKSQ
 LERGQRLVQL LIQSENAPQA VEYQIISLWL AGEGAFDNVP VEDVRRFESE LHEYLGSNAA
 QVYEQIAGGA QLSDESKETL LKATEDFKSA FQTTDGTPIV NEPEVEALDA GQVKKQDLTV
 SRKVSCK

> RXA01202 (1-975, translated) 325 residues

MATIRELRDR IRSVNSTKKI TKAQELIATS RITKAQGRVA AAIFYAEIIQ RVLERLASAS
 SLDHPLMRER EGGKRAAVLV VTSDRG MAGG YNHNVLKKA ELEKLLAESG YEVVRYVTGK
 KGV DYYKFRA EDVAGTWTGF SQDPDWAATH NVRRHLIDGF TASSEGEAAW REGNLNPEGQ
 DIQGFQVHV VYTEFISMLT QNPVVHQLLP VEPVIEDEIF EKGEDLLSS GEVEPDYEF
 PDADTLLEAL LPQYVSRRLF SIFLEAAAAE SASRRNAMKS ATDNATELVK DLSRVANQAR
 QAQITQEITE IVGGAGALAD SGESD

> RXA01203 (1-639, translated) 213 residues

MTTALEEQNA QQAATAGRVV RVIGAVVDVE FPRGELPALY NALTVEVTLE SVKKTVVLEV
 AQHLGDNLIR TIAMAPT DGL VRGA AVDTA RPISVPVGDV VKGHVFNALG DCLDDVSLNN
 NPEIERWGIH REPPSFDQLE GKTEILETGI KVIDLLTPYV KGGKIGLFGG AGVGKTVLIQ
 EMITRIAREF SGTSVFAGVG KRTREGTDLF LEM

> RXA01204 (1-762, translated) 254 residues

MKGEFHAPDL DKEFFPGHVT DSGEVVNMLF TDFANGWFAM DRIVLIRLLM TAVVVVFFLW
 AMRKPKLVPH GVQNFAEYAL DFVGIHIAED ILGKKKGRRF LPILATIFFA ALLMNLATII
 PGLNISSNSR IAFPIVMAVA GYIAFIYAGS KRYGFFKYVK SSVVIPNIPP ALHVLVPIE
 FFSTFILRPV TLALRLMANF LAGHIILVLL FFATNFFFFQ FNGWTAMSGV TILMAVLFTV
 YEIIIVIFLQA YIFA

> RXA01216 (1-1101, translated) 367 residues

TDHTLSALLD AHVEVPTAVT VLTMRLLDDPT GYGRIVRNEE GEVTAIVEQK DASA EVQAID
 EVNSGVFAFD AAILRSALAE LKSDNAQGEL YLTDVLGIAR GEGHPVRAHT AADARELAGV
 NDRVQLAEAG AELNRRTVIA AMRGGATIVD PATTWIDVEV SIGRDVIIHP GTQLKGETVI
 GDRVEVGPDT TLTNMTIGDG ASVIRTHGFD STIGENATVG PFTYIRPGTT LGPEGKLGFF

VETKKATIGR GSKVPHLTYV GDATIGEESN IGASSVFNVY DGENKHHTTI GSHVRTGSDT
 MFIAPVTVGD GAYSGAGTVI KDDVPPGALA VSGGRQRNIE GWVQKKRPGT AAAQAAEAAQ
 NVHNQEG

> RXA01225 (1-1440, translated) 480 residues
 MTHNHKDWND RIAVAEEMVP LIGRLHRNNN VVSVFGRLL VNVSDIDIK SHRYARHIIS
 KELPLESLD ILRELVDMNL GTASIDLQQL AYSFEESEST DLRAFLEDAL APVIGAETDI
 NPTDIVLYGF GRIGRLLARI LVSREALYDG ARLRAIVVRK NGEEDLVKRA SLLRRDSVHG
 GFDGTITTDY DNNIIWANGT PIKVIYSNDP ATIDYTEYGI NDAVVVDNTG RWRDREGLSQ
 HLKSKGVAKV VLTAPGKGD LKNIVYGINHT DITADDQIVS AASCTTNAIT PVLKVINDRY
 GVEFGHVETV HSFTNDQNL I DNFKHGSRRG RAAGLNMVLT ETGAAKAVSK ALPELEGKLT
 GN AIRVPTPD VSM AVLNLTL NTEVDRDEVN EFLRRVSLHS DLRQQIDWIR SPEVVSTDFV
 GTTHAGIVDG LATIATGRHL VLYVWYDNEF GYSNQVIRIV EEIAGVRPRV YPERRQPAVL

> RXA01227 (1-321, translated) 107 residues
 MTYTIAQPCV DVLDRACVEE CPVDCIYEGK RMLYIHPDEC VDCGACEPVC PVEAIFYEDD
 VPHEWWDYTG ANAAFFDDL G SPGGAASLGP QDFDAQLVAV LPPQNQN

> RXA01242 (1-777, translated) 259 residues
 MYAEERRRQI ASLTAVEGRV NVTELAGRFD VTAETIRRD L AVLDREGIVH RVHGGAVATQ
 SFQTTELSL TRFRSASSAK YSIKAAAMQF LPAEHGGLFL DAGTTVTALA DLISEHPSSK
 QWSIVTNCLP IALNLANAGL DDVQLLGGSV RAITQAVVGD TALRTLALMR ADVVFIGTNA
 LTLDHGLSTA DSQEAAMKSA MITNAHKVVV LCDSTKMGTD YLVSFGAISD IDVVVTDAGA
 PASFVEQLRE RDVEVVIAE

> RXA01243 (1-960, translated) 320 residues
 MILTVTASPY LLSTNELDGT IEIGEANKIR QVSTVAGGFG TGVAATLFYG GNETFAVFPA
 PEISHYMLRV TFAGLPHEII PVAGPIPMHL TMRDAEGNET KFKDSPMPLD VSQLAIRDL
 VVRRADA AW VLLGGNLPSI APAAWFVDV RSLRLYHPHV KVAIAATGAA LR VIRQLAA
 TSFDALIVAA EEIEIATGLE PKTLRGPWVE GDLSPTVAAA RALIDSGVTE VLVTKRTE
 LYVSESESL ASYDSTPGKQ GVNWRESFTA GFLAASNDGK STEDSVINAV AYANAEGSEW
 DNYIPTPKL RAEHVVIKSL

> RXA01259 (1-858, translated) 286 residues
 MGTRFLPATK TIPKELLPVV DTPGIELVAK EAADLGATRL AIITAPNKDG ILKHFEFPE
 LEATLEARGK TDQLNKVRAA RELIATVPV V QEKPLGLGHA VGLAESVLDD DEDVVAVMLP
 DDLVLFPFV ERMAEVRAK GGSVLAAIEV AEDEVSNYGV FKLGE L DAESEGIRRVV
 MVEKPAPEDA PSRFAATGRY LLDRAIFDAL RRIEPGAGGE LQLTDAIAL IEEGHPVHIV
 VHEGKRHD LG NPAGYIPAVV YFGLRHA EYG SKIHRVAK EI LAEFES

> RXA01262 (1-1161, translated) 387 residues
 MKIAVAGLGY VGLSNAALLS KNHKVVAVDI DEERVKL VQE FRSPIVDS DL EEYLSTK PQN
 LTATTDAAEA YKGADFIVIA TPTNYDPESN FFDTS SVESV IEIVLKVSPG STIVIKSTIP
 VGFTSELRIK HPEASII FSP EFLREGRAFY DNL YPSRVV GDRSPLGEEF ATLLAEGAKE
 KPPILLTDST EAEAIKLFSN TYLALRVAFF NELDTYASVR SLDTKQIIEG VGLDPRIGSH
 YNNPSFGYGV YCLPKDTKQL LANYKDVPQN LISAVVQANK TRKDFIAEDI LSKSPTVVG I
 YRLVMKSGSD NFRSSSIQGV MKRIKAKGIE IVVFEPNLGE ETFYNSKILN DIEEFKDYCD
 I IIANRPTDE LSDVPEKVYT RDIFQRD

> RXA01311 (1-747, translated) 249 residues
 MKLTLEIWRQ AGPTAEGKFE TVQVDDAVAQ MSILELLDHV N NKFIEEGKE PFAFASDCRE
 GICGTCGLLV NGRPHGADQN KPACAQLRVS YKEGDTLKIE PLRSAAYPVI KDMVVDRSAL
 DRVMEQGGYV TINAGTAPDA DTLHVN HETA ELALDHAACI GCGACVAACP NGAHLFTGA
 KLVHLSLLPL GKEERGLRAR K MVDEMETFNF GHCSLYGECA DVC PAPIPLT AVAAVTKERA
 RAAFRGKDD

> RXA01312 (1-1077, translated) 359 residues
 ESLRNDGRIW SPKEPNDNRD PNTIPEDERD YFLERRYPAF GNLVPRDVA RAISQQINAG
 LGVGPLNNA YLDFRDATER LGQDTIRERY SNLFTMYEEA IGEDPYSSPM RIAPTCHFTM
 GGLWTD FNEM TSLPGLFCAG EASWYTHGAN RLGANSLLSA SVDGWFTLPF TIPNYLGPLL

GSERLSEDAP EAQAAIARAQ ARIDRLMGNR PEWVGDNVHG PEYYHRQLGD ILYFSCGVSR
 NVEDLQDGIN KIRALRDDFW KNMRITGSTD EMNQVLEYAA RVADYIDLGE LMCVDALDRD
 ESCGAHFRDD HLSEEDGEAQR DDQNWCFVSA WEPGENGTfV CHAEPLFFES VPLQTRNYK

> RXA01325 (1-672, translated) 224 residues
 MDMTISRSTM AQILDYTLLG PEVTNSELA FIDSAIELGV GTICVPNSMV NLTAKAQEAG
 IRVATVAGFP HGKTPALVKA AEARLAVQSG ASEVDVVLDI AVVKEGDANR LLQEIVAIRE
 AVPSPVVLKF ILETAVVSDE AIVTAVNALI AAGADFAKTS TGFHPAGGAT VEAVRVMASA
 SRGRVGIKAA GGVKTWEDAV AFVEAGATRI GTSNAGAILE GAPE

> RXA01332 (1-549, translated) 183 residues
 AARAAAAAED APGAQAFTRI EDAIAADAVID AVLIAVPGQF HEPVLVPALE AGLPILCEKP
 LTPDSESLR IVELEQKLDK PHIQVGFMR FDPEYNNLRK LVESGEAGEL LMLRGLHRNP
 SVGESYTQSM LITDSVVHEF DVIPWLAGSR VVSVEVKYPK TSSLAHSGLK EPILVIMELE
 NGV

> RXA01350 (1-984, translated) 328 residues
 MNSPQNVSTK KVTVTGAAGQ ISYSLWRIA NGEVFGTDTP VELKLLEIPQ ALGGAEGVAM
 ELLDSAFPLL RNITITADAN EAFDGANAAF LVGAKPRGKG EERADLLANN GKIFGPQGKA
 INDNAADDIR VLVVGNPANT NALIASAAAP DVPASRFNAM MRLDHNRAIS QLATKLGRGS
 AEFNNIVVWG NHSATQFPDI TYATVGGEKV TDLVDHDWYV EEFIPRVANR GAETIEVRGK
 SSAASAASSA IDHMRDWVQG TEAWSSAAIP STGAYGIPEG IFVGLPTVSR NGEWEIVEGL
 EISDFQRARI DANAQELQAE REAVRDL

> RXA01365 (1-894, translated) 298 residues
 MRTRESVTAV IKAYDVRGVV GVDIDADFIS ETGAAGFRML RSEGETTVAI GHDMRDSSPE
 LAKAFADGVT AQGLDVVHLG LTSTDELYFA SGTLCACAGAM FTASHNPAEY NGIKLCRAGA
 RPVGQDSGLA NIIDDLVEGV PAFDGESGSV SEQDLLSAYA EYLNELVDLK NIRPMKVAVD
 AANGMGGFTV PEVFKGLPLD VAPLYFELD G NFPNHEANPL EPANLVLDLQK FTVETGSDIG
 LAFDGDADRC FVVDKKGQPV SPSAICAIVA ERYLEKLPGS TIIHNLITSK AVPEVIAE

> RXA01369 (1-501, translated) 167 residues
 NEQCLGDVG V LGALLNFYK LAPGEALYLD AANLHAYISG LGVEIMANS NDLRGGLTSK
 YVDVPELV RV LDFNSLENAR VDVEEDGATT HYPVPINEFQ LDRVAVQGEA EANH DGPMIV
 LCTSGTVSLE AGEKTLEVAA GHAAWVPAND PTIAMRSEDA EVFLARV

> RXA01373 (1-708, translated) 236 residues
 MELLEGSLRT YPWGSRTLIA DLKGEESPSS RPEAEVWFGA HPGSPSTIGG NALNEVIAAN
 PEEALGTRVA EAFENELPFL LKILAGAPL SLQAHPSLEQ AREGFARENS AGIDLGA PN R
 NYRDPNHKPE LIVALTEFIA MAGFRPLRNT LTIFDALACE PLDRYRSM L T VDNEEESLRA
 LFTTWITIP I GKRHELIDAL ISNAHTYLEA SDRDEDIAFV LSHIIELENEQ YPGDVG

> RXA01377 (1-1086, translated) 362 residues
 MTLTDNSKNV DAVILVGGKG TRLRPLTVNT PKPMLPTAGH PFLTHLLARI KAAGITHVVL
 GTSFKA EVFE EYFGDGSEMG LEIEYVVEDQ PLGTGGGIRN VYDKLRHDTA IVFNGDVLSG
 ADLNSILDTH REKDADLTMH LVRVANPRAF GCVPTDEDGR VSEFLEKTED PPTDQINAGC
 YVFKKELIEQ IPAGRAVSVE RETFPQLLEE GKR VFGHVDA SYWRDMGTPS DFVRGSADLV
 RGIAYSPLLE GKTGESLVDA SAGVRDGVLL LGGTVVGRGT EIGAGCRVDN TVIFDGV TIE
 PGAVIENSII SSGARIGANA HISGCIIGEG AQVGARCELN AGMRVFPGVV IPDSGIRFSS
 DQ

> RXA01392 (1-1077, translated) 359 residues
 VANTSSDWAG APQNASADGE FVRDTNYIDD RIVADV PAPS EP I AQEDGTF HWPVEAGRYR
 LVAARACPW HRTVITRRL GLENVISLGL TGPTH DVRSW TFDLDPNHLD PVLQIPRLQD
 AYFNRFDPYP RGITVPALVE ESSKKVVTND YPSITIDFNL EWKQFHREGA PNLYPAELRE
 EMAPVMKRIF TEVNNGVYRT GFAGSQEAHN EAYKRLWVAL DWLEDRLSTR RYLMGDHITE
 ADIRLYPTLV RFDVYHGHF KCGRNKITEM PNLWGYLRDL FQTPGF GDTT DFTEIKQHYY
 ITHAEINPTR IVPVGPDL SG FATPHGREKL GGSPFAEGVT LPGPIPAGEE VKNPEPFQK

> RXA01436 (1-1191, translated) 397 residues

MALALVLNSG SSSIKFQLVN PENSAIDEPY VSGLVEQIGE PNGRIVLKIE GEKYTLETPI
 ADHSEGLNLA FDLMDQHNCG PSQLEITAVG HRVHGGILF SAPELITDEI VEMIRDLIPL
 APLHNPANVD GIDVARKILP DVPHVAVFDT GFFHSLPPAA ALYAINKDVA AEHGIRRYGF
 HGTSHEFVSK RVVEILEKPT EDINTITFHL GNGASMAAVQ GGRAVDTSMTG MTPLAGLVMG
 TRSGDIDPGI VFHLSRTAGM SIDEIDNLLN KKSGVKGLSG VNDFRELREM IDNNDQDAWS
 AYNIIYHQLR RYLGSYMVAL GRVDTIVFTA GVGENAQFVR EDALAGLEMY GIEIDPERNA
 LPNDGPRLIS TDASKVKVFF IPTNEELAIA RYAVKFA

> RXA01468 (1-825, translated) 275 residues
 MVTNISYLTG MDGVLKEGE IIPGADRFLQ SLTDNNVEFM VLTNNSIFTP RDLSARLKTS
 GLDIPPERIW TSATATAHFL KSQVKEGTAY VVGESGLTTA LHTAGWILTD ANPEFVVLGE
 TRTYSFEAIT TAINLILGGA RFICTNPDTV GPSPSGILPA TGSVAALITA ATGAEPYYIG
 KPNPVMMSA LNTIGAHSEH TVMIGDRMDT DVKSGLEAGL STVLVRSGIS DDAEIRRYPF
 RPTHVINSIA DLADCWDDPF GDGAHVHPDE QQFTD

> RXA01478 (1-1836, translated) 612 residues
 MTIPGASTQT DIPLDTLLED YALLSDTHTG ALLSNMGSLD WLCLPRFDSQ AMFTRLLGDR
 EHGHWSLRVP GGEVISQNYL GDSFVVQTVW RSETGTARVV DFMPHIGQEQ PDITDLVRSV
 HCVEGEVDVE SILRLRFDYG ESTPYFRTST VDGISIVQAV AGPNAVYVRG PEMPHRPAKD
 CHSGTFHLTA GESVEWVLTW APSFEPHPPM PDYTRSLEST LSFWASWVEE LPHQRLYDAE
 VRRSMLVLR LTLDTQTGGIV AAPTSTLSPED FGGIRNWDYR YVWLRDSALT IEALVEYGF
 QAALQWRTWL LRAIAGDPEN LRIMYGLGGE RHLPERELQH LRGYENSVPV RVNGAAEQY
 QADVVEVMV ALETIRRAGC LEDEFWSGMQ KAILDFQEAN FDRKDQGIWE MRSEPQYFTH
 GRAMMWAGFD RGKAIIEEFN LDGPPIERWRE LRAKLREEIM TNGFNEEIQS FTQCYDNTQV
 DASLLQLAQI GFIGFDDPKM LSTVARIEQE LLDAGHFLHR YHTDGSGLA GDEYFPLICS
 FWLVEQYASS NRLDEAKEKM NRILAVQSPL GLLAEEYSTH HGRLAGNYPQ AFSHIGLISA
 ARAINFEEAR NR

> RXA01482 (1-1875, translated) 625 residues
 MRMCGIVGYI GQAGDSRDYF ALDVVVEGLR RLEYRGYDSA GIAIHANGEI SYRKKAGKVA
 ALDAEIAKAP LPDSILGIGH TRWATHGGPT DVNAHPHVVS NGKLAVVHNG IIEFNAELRS
 ELSAKGYNFV SDTDTEVAAS LLAEIYNTQA NGDLTLAMQL TGQRLEGAFI LLAIHADHDD
 RIVAARRNSP LVIQVGEGEN FLGSDVSGFI DYTRKAVELA NDQVVTITAD DYAITNFDGS
 EAVGKPFQVE WDAAAAEKGG FGSFMEKEIH DQPAAVRDTL MGRLEDEGKL VLDELRIEA
 ILRSVDKIVI VACGTAAAYAG QVARYAIEHW CRIPTEVELA HEFRYRDPIL NEKTLVVALS
 QSGETMDTLM AVRHAREQGA KVVAIKNTVG STLPREADAS LYTYAGPEIA VASTKAFLAQ
 ITASYLLGLY LAQLRGNKFA DEVSSILDSL REMPEKIQQV IDAEEQIKKL GQMDADAKSV
 LFLGRHVGFP VALEGALKLK EIAYLHAEGF AAGELKHGPI ALVEEGQPIF VIVPSPRGRD
 SLHSKVVSNI QEIRARGAVT IVIAEEGDEA VNDYANFIIR IPQAPTLMQP LLSTVPLQIF
 ACAVATAKGY NVDQPRNLAK SVTVE

> RXA01534 (1-489, translated) 163 residues
 MTSAITTATD LRSVLRNVPT PISFIATHTD QPLGMIVGSF VSISAEPPLV GIFLQKSSSS
 WPAIEQALVT GQELGISILG GAHADHVRKL SGPSDQRFEN LGWASTENGA IHLEGADAQL
 TTKLHDLQEI GDHFFAVLEV IDASADQDFS SALVYHRSQV SSL

> RXA01535 (1-1407, translated) 469 residues
 MTEQEFRIEH DTMGEVKVPA KALWQAQTQR AVENFPISGR GLESAQIRAM GLLKAACAQV
 NKDSGALDAE KADAIIAAGK EIASGKHDAE FPIDVFQTS GTSSNMNTNE VIASIAKANG
 VEVHPNDHVN MGQSSNDTFP TATHVAATEA AVNDLIPGLK VLHESLAKKA NEWSEVVKSG
 RTHLMDAVPV TLGQEFGGYA RQIQLGIERV EATLPRLGEL AIGGTAAGTG INTSADFGGK
 VVAELINLTD VKELKEAENH FEAQAARDAL VEFSGAMRVI AVSLYKIAND IRLMGSGPLT
 GLGEIRLPDL QPGSSIMPGK VNPVLCETAT QVSAQVIGND AAVAFSGTQG QFELNVFIPV
 MARNVLESAR LLANTS RVFA TRLVGIEPN EAHMKELAES SPSIVTPLNS AIGYEAANKV
 AKTALAEGKT IRQTVIDLGL VDGEKLTEEE LDKRLDVLAM AHTERENKF

> RXA01550 (1-1344, translated) 448 residues
 IFQQLFWRVW EIITEIDRRF RLERAADGLD EETIDRMAPI QRGTVHMAWI ACYAAYSING
 VAALHTEIIK AETLADWYAL WPEKFNNKTN GVTPRRWLRM INPGLSLLT RLSGSDDWVT
 DLDELKKLRS YADDKSVLEE LRAIKAANKQ DFAEWILERQ GIEIDPESIF DVQIKRLHEY

KRQLMNALYV LDLYFRIKED GLTDIPARTV IFGAKAAPGY VRAKAIKLI NSIADLVNND
 PEVSPLLKVV FVENYNVSPA EHILPASDVS EQISTAGKEA SGTSNMKFMM NGALT LGTMD
 GANVEIVDSV GEENAYIFGA RVEELPALRE SYEPYELYET VPGLKRALDA LDNGTLNDNN
 SGLFYDLKHS LIHGYGKDas DTYYVLGDA DYRETRDRMA ADYASDPLGW ARMAWINICE
 SGRFSSDRTI RDYATEIWKL EPTPAVKK

> RXA01562 (1-1038, translated) 346 residues
 EQDLDELMHS TGVIDPLTGA PKSASKPGWT SVFSDELVKI GAQNENVVAI TAAMAGPTGL
 SKFEANFPNR FFDVGIAEQH AVTSAAGLAL GGHKHPVVAIY STFLNRAFDQ LLMDVGMNLQ
 PVTLLVDRSG VTGSDGASHN GVWDMALTSI VPGVQVAAPR DEDSLRELLN EAISIDGPT
 VVRFPKGLDLP TPIVAIDTLE DGVDVLAYED ATDVESTDDA PSVLIIAVGE RATVALDVAS
 RIKQHGVNVT VVDPRIWVPI PQSLVALSDD HDLVITIEDG VIHGGVGSLL SDALNASEVD
 TPRRQIAVPQ KYLDHASRNE VLADYGLDAD GIETTVVGWL DSLFGE

> RXA01569 (1-426, translated) 142 residues
 APRHYIVRTS WVGIDGNNFV RTMKSLDERG IAPSVVDDQI GRLSFTEDIA AGIAHLLEVG
 AAYGTYNLTN TGEPASWADV ARAVFS DPTK VTGVSTA EYF ANKDAAPRPL NSVLDLGKIE
 ATGFSAPTQW TRLNDYLKEL SK

> RXA01570 (1-855, translated) 285 residues
 VKGIILAGGS GTRLYPITKG ISKQLMPIYD KPMVYYPLTT LIQAGIKDIL IITTPEDSAS
 FERLLGDGSS WGINLTYAVQ PSPDGLAQAF IIGEEFIGDD DVALVLGDNI FDGAQLGHAL
 KQCSNP DGGI VFAYEVSDPE RYGVVEFDA NKAVSIEEK TAPKSNFAV GLYFYDNRV
 DIAKSIKPSS RGELEITSVN DAYLQQGALT VQRLDRGDVW LDTGTIDSMS EASSYVEVLQ
 KRTGNIIGSP EVAAYREGFI TAEELTVLGE ELKKSGYGY LRLAL

> RXA01571 (1-600, translated) 200 residues
 VSISVKALQK SGPEAPFEVK IIERRDPRAD DVVIDIKAAG ICHSDIHTIR NEWGEAHFPL
 TVGHEIAGVV SAVGSDVTKW KVGDRVGVC LVNSCGECEQ CVAGFENNCL RGNVGTYN
 DVDGTITQGG YAEKV VNER FLC SIPEELN FDVAAPLLCA GITTYSFIAR WNVKEGDKVA
 VMGLGGTRTH GCPDRCSQGC

> RXA01572 (1-492, translated) 164 residues
 MGVDQIAAAKG AEVTVLSRSL RKAELAKELG AARTLATSDE DFFTEHAGEF DFILNTISAS
 IPVDKYL SLL KPHGVMAVVG LPPEKQPLSF GALIGGGKVL TGSNIGGIPE TQEMLDCAK
 HGLGAMIETV GVNDVDAAYD RVVAGDVQFR VVIDTASF AE VEAV

> RXA01615 (1-939, translated) 313 residues
 MSDSPKNAPR ITDEADVLI GAGIMSSTLG AMLRQLEPSW TQIVFERLDG PAQESSSPWN
 NAGTGHSALC ELNYTPEVKG KVEIAKAVGI NEKFQVSRQF WSHLVEEGVL SDPKEFINPV
 PHVSFGQ GAD QVAYIKARYE ALKDHPLFQG MTYADDEATF TEKLPLMAKG RDFS DPVAIS
 WIDEGTDINY GAQTKQYLD AAEVEGTEIRY GHEVKS IKAD GAKWIVTVKN VHTGDTKTIK
 ANFV FVGAGG YALDLLRSAG IPQVKGFAGF PVSGLWLRCT NEELIEQHAA KVGKASVGA
 PPM SVPHLDT RVI

> RXA01626 (1-345, translated) 115 residues
 MSKTIIVRTE IEIPGHPTAI HIAEMQELPP SEAQGGVQMC KMQRRIELAG TAEGDVVTGA
 GVIGGSNFQL NNEPNEV VPH PDTYADFPDI KAVVISAETF EGLWLEAGAK FPGLN

> RXA01632 (1-1005, translated) 335 residues
 MTLRIALFGA GRIGHVHAAN IANPDLELV VIADPFIEGA QRLAEANGAE AVASPDEVFA
 RDDIDGIVIG SPTSTHVDLI TRAVERGIPA LCEKPIDLDI EMVRACKEKI GDGASKVMLG
 FNRRFDPSFA AINARVANQE IGNLEQLVII SRDPAPAPKD YIAGSGGIFR DMTIHDLDMA
 RFFVPNIVEV TATGANVFSQ EIAEFNDYDQ VIVTLRGSKG ELINIVNSRH CSYGYDQRL
 AFGSKGMLAA DNIRPTTVRK HNAESTE QAD PIFNFFLERY DAAYKAELAT FAQGIRDGQG
 FSPNFEDGVI ALELANACLE SAQTGRVTTL NPANV

> RXA01633 (1-1083, translated) 361 residues
 MKNITIGMVG VGRIGRMHVA NMLAVAETLK ERDLNIEIVL ADAMPGFAEQ VGADMGVKAA

ASVDKLIEDG VDALFIATST AGHVDVLRKG IAAKLPMFCE KPIASDVPES LNIIREIDAA
 GATVQVGHQR RFDLGYQEAQ RRLDAGDLGW LHSLKAVSSD AFPPPVSYCA TSGGLFRDVS
 LHDFDIIRWL TGQDIVEVYA KGSNNGDPEI GAVGDIDTGA ALLTLADGTL ATAIATRYNG
 AGHDVRLDVM GSKDSTIVGL DEKSAFASAE EGIDFPTGES HPTFAERFAD AYKNECIAFV
 ELILGERENP CTPADAVAAA IVADAAQLSL VTGEPVKIPT VREILEGSAQ PVEVRALVPS
 A

> RXA01695 (1-210, translated) 70 residues
 AGLLGASPGA SIAPSAMIEL LERCFGDRMI EWGDKLKDMI PSYGKKLASE PALFEQQWAR
 TQKTLKLEEA

> RXA01702 (1-1032, translated) 344 residues
 MPIATPEVYN EMLDRAKEGG FAFFAINCTS SETINAALKG FAEAESDGII QFSTGGAEFG
 SGLAVKNKVK GAVALAAFAH EAAKSYGINV ALHTDHCQKE VLDEYVRPLL AISQERVDRG
 ELPLFQSHMW DGSAPVIDEN LEIAQELLAK AKAANIILEV EIGVVGGEED GVEAKAGANL
 YTSPEDFEKT IDAIGTGEKG RYLLAATFGN VHGVYKPGNV KLRPEVLLEG QQVARKKLGL
 ADDALPFDV FHGGSGSEKE KIEEALTYGV IKMNVDTDTQ YAFTRPIVSH MFENYNGVLK
 IDGEVGNKKA YDPRSYMKKA EQSMSERIE SCQDLKSVGK TTSK

> RXA01705 (1-603, translated) 201 residues
 MGILNSISTP ADLKALNDED LDALAKEIRT FLVDKVAATG GHLGPNLGVV ELTIGLHRVF
 DSPQDPIIFD TSHQSYVHKI LTGRAKDFDS LRQKDGLSGY TCRAESEHDW TESSHASAAL
 SYADGLSKAK QLDGDTTHSV VAVVGDGALT GGMCEALNN IAAGKDRKV VVVDNNGRSY
 SPTIGGFAEN LAGLRMQPFY D

> RXA01743 (1-801, translated) 267 residues
 MDLNTFWFIL IAFLEFAGYFL LEGFDGFGVI LAPILGKDSA ARNTVIRTIG PVWDGNEVWL
 IVAGGALFAA FPEWYATMFS GMYLPLFLVL VSLIMRVVGL EWRKKVDDPR WQKWSdraif
 IGSWTPPLMW GFIFANILRG MPLKADHTID AAAALPGMVN VFAILGALAF TALFALHGLA
 FIRLKTAGRV RTDAAKAAPV VALLAAVTGG PFVLWAAIAY GRSWSWILAV LIIAAVLGGA
 FALIKDRDGL SFLSTSVAVI GVVALLF

> RXA01744 (1-1302, translated) 434 residues
 WSEYSRFVGD VFGGPLALEG LIAFFLESVF LGLWIFGWGK IPGWLHTASI WIVAIATNIS
 AYFIIIVANSF MQHPVGAEYN PETGRAELTD FWALLTNSTA LAAFPHAVAG GFLTAGTFVL
 GISGWWIIRA HRQAKKAESE IESKSHMHRP ALWVGWWTTV VSSVALFITG DIQAKLMFVQ
 QPMKMASAES LCETATDPNF SILTIGTHNN CDTVTHLIDV PFVLPFLAEG KFTGVTLQGV
 NQLQAAAEQA YGPGNYSPNL FVTYWSFRAM IGLMLGSLAI AAIWLLLRK KRTPTGKIAR
 LFQIGSLIAI PFPFLANSAG WIFTEMGRQP WVVHPNPESA GDARTEMIRM TVDMGVSDHA
 PWQVWLTLIG FTILYLILFV VVWVLIIRAV LIGPPEEGAP SVEAKTGPAT PIGSDMPMT
 LQFTAAAPT GEKE

> RXA01745 (1-1494, translated) 498 residues
 ILADEDDETVD VGAVIARIGD ANAAAAPAEE EAAPAEEEEP VKEEPKKEAA PEAPAAATGAA
 TDVEMPELGE SVTEGTITQW LKAVGDTVEV DEPLLEVSTD KVDTEIPSPV AGTIVEILAD
 EDDTVDVGAV IARIGDANAA AAPAEAAAAP AEEEEPVKEE PKKEEPKKEE PKKEAATTPA
 AASATVSASG DNVPYVTPLV RKLAEKHGVD LNTVTGTGIG GRIRKQDVLA AANGEAAPAE
 AAPVSAWST KSVDPKAKL RGTTQKVNRI REITAMKTVE ALQISAQLTQ LHEVDMTRVA
 ELRKKNKPAF IEKHGVNLTY LPFFVKAVVE ALVSHPNVNA SFNAKT KEMT YHSSVNLSIA
 VDTFAGLLTP VIHDAQDLSI PEIAKAIVDL ADRSRNNKLK PNDLSGGTFT ITNIGSEGAL
 SDTPILVPPQ AGILGTGAIV KRPVVITEDG IDSIATRQMV FLPLTYDHQV VDGADAGRFL
 TTIKDRLETA NFEGLQL

> RXA01758 (1-1017, translated) 339 residues
 MPKYIAMQVS ESGAPLAANL VQPAPLKSRE VRVEIAASGV CHADIGTAAA SGKHTVFPVT
 PGHEIAGTIA EIGENVSRWT VGDRVAIGWF GGNCGDCAFC RAGDPVHCRE RKIPGVSYAG
 GWAQNIVVPA EALAAIPDGM DFYEPAPMGC AGVTTFNALR NLKLDPGAAG AVFGIGGLVR
 LAIQFAAKMG YRTITIARGL EREELARQLG ANHYIDSNDL HPGQALFELG GADLILSTAS
 TTEPLSELST GLSIGGQLTI IGVDGGDITV SAAQLMMNRQ IITGHLTGSA NDTEQTMKFA
 HLHGKPLIE RMPLDQANEA IARISAGKPR FRIVLEPNS

> RXA01814 (1-1662, translated) 554 residues
 MAHERAGQLA QPEDLIDVAE LVTAYFTRKP DVNNPDQQVA FGTSGHRGFA LDSAFNEDHI
 LATTQAIVDY RNQOPKNWVG PLFIGRDTHA LSEPAMISAL EVLIANDVEV LVDADGRYTP
 TPAVSHAILR HNDGIILGTA GPSRPYADGI VITPSHNPPR DGGFKYNPAN GGPADTDATD
 WIANRANDIL RGDLDADVCRV PVSGVLDERT TAYDFKGIYI ADLPNVVNID AIREAGVRIG
 ADPMGGASVD YWGAIAETHG LNLTVVNPHV DSTFRFMTLD TDGKIRMDCS SPHAMASLID
 NRDKFDVATG NDADADRHGI VTPDAGLMNP NHYLAVAI EY LFAHRPGWSA DTAVGKTLVS
 SSMIDRVVAQ LGRTLVEVPV GFKWFPGLI SGEIGFGGEE SAGASFLRMD GTTWSTDKDG
 LILDLLAAEI IAVTGKTPSQ RYAEALAEFEG APAYARTDAE ANREQKAILK ALSPEQVTAT
 ELAGEAITAK LTEAPGNAA IGGLKVTTEN AWFAARPSGT EDKYKIYAES FKGEHQAQV
 QKEAQAALVSE VLQ

> RXA01839 (1-684, translated) 216 residues
 MRMNAPVPLG GTSNHLTG V LKDLGAWDPF NVTEDADLGV RIAAKGYSTA VLDSVTWEEA
 NSDTINWLRL RSRWYKGYLQ TWLVYMRPK WLVLQELGIIP AVRFTFLMAG TPPIAVLNLL
 FWYLSLTWIL GQPGTIEQMF PPAVYYPALV CLVVANAATI FMNLIGCREG RDPLLLIAVL
 TFPLYWILMS IAALKGTWQL ITRPSYWEKT AHGLEA

> RXA01851 (1-1686, translated) 562 residues
 MTSAHFESRR IGPPLRDNYD VIVIGGGISG VQIARHAQGR GLRTVMFEAR DYSSGTSSTT
 SKMIHGGLRY LEQYDFGVVQ EAVKERRYLG IAAPHLVAPR SFMLTAFDWS EPKAPMLGAG
 VALYETMAWQ RNQGSKENH SPRFRWIPKN ALLKEVPWLD PEGKLGAWRH DDTLNLHAER
 LLLAVIKAF AADGGTAINHA KVTRILRNV EGRVKGVEVT DQVTNTTHEV NAPVVINAAG
 PWVAQALGDL AEVTKLKVRQ SKGVHLLTGD LGSQSGVFVR GKNKGHVIVN PWMGRTLIGP
 TDTMIDGDAD DAAADESDID LLETIDSVR ATPLDRKEII STLVGVRPLV DDGTDTYTSS
 RRFDISDHAN VGIDGLSVSV GKGWTTSRVM GYKVIEHVVE HQAAVLPLR HFDSRQMPLS
 TSFGAYESVA DSFESALRSH PELDVEDIR VHLARLYGTE HEKVLDLVAK QPDLGRRLLD
 DNLDIAAQA FAVAEAAVD LADVLDRI V LGTLGYVQPA AVRATAEAMA QVTGWSAELI
 DAQCQSYLAK QDKIQAVLKP YR

> RXA01859 (1-927, translated) 309 residues
 MKKKSFPPIAR VIGIGVLGIA GMGILLWL A VTLSDPASPG AKETEVFDRW KVLFDYIIPP
 VRVLVAIIV ALIFVFIAAT VERTVTNRYR SSV DGERVPL APKIVMAETR GVFHGPITIN
 VLVPAHNEAE RITGTIQALK SQHEPPERIV VVADNCTDET TELARAEGVE VLETVNNKFK
 KAGGLNQALS RMLPTLGEND IVMIVDADTA LDQGFLEKEAR RRFESDRALM AVGGFLYGES
 GSGWLQYQR NEYTRYSDI YRRRGRVFL TGTASAFRPR GLRTVAESRG TLIPGRKADV
 YDTAGVDRR

> RXA01865 (1-315, translated) 105 residues
 MTYTIAQPCV DVLDRACVEE CPVDCIYEGK RMLYIHPDEC VDCGACEPAC PVEAIFYEDD
 VPDEWLDYND ANAAFFDDL G SPGGAAKLGP QDFDHPMIAA LPPQA

> RXA01882 (1-990, translated) 330 residues
 MIITFTPNPS IDSTLSLGE LSRGSVQRLD SVTAVAGGKG INVAHAVLLA GFETLAVFPA
 GKLDPFVPLV RDIGLPVETV VINKNVRTNT TVTEPDGTTT KLNGPGAPLS EQKLSLEKV
 LIDALRPEVT WVLGSLPP GAPVDWYARL TALIHSARPD VRVAVDTSK PLMALGESLD
 TPGAAPNLK PNGLELGQLA NTDGEELEAR AAQGDYDAI AAADVLVNRG IEQVLVTLGA
 AGAVLVNAEG AWTATSPKID VVSTVGAGDC ALAGFVMARS QKKTLEESLL NAVSYGSTAA
 SLPGTTIPRP DQLATAGATV TQVKGLKESA

> RXA01884 (1-1473, translated) 491 residues
 MHVDGFRFDL ASTLAREFDD VDRLATFFDL VQQDPVVSQV KLIAEPWDVG EGGYQVGNFP
 PLWTEWNGKY RDTVRDFWRG EPATLGEFAS RLTGSSDLYA NNGRRPTASI NFVTAHDGFT
 LNDLVSYNEK HNMANGEDGR DGESHNRSWN CGVEGPTDDP EIMQLRAQQR RNFLTLLLS
 QGTPLSHGD EMARTQNGN NVYCQDNELA VVNWDAQEEN ADLVSFTRRL LRIRANHPVF
 RRRQPLAGGP LGADVDRDI AWLVPNGTLM TQDDWDFAFG KSLQVFFNGD AIEEPDYRGQ
 KIHDDSFILM FNAHFEPIDF NLPPEHFGMK WKLLVDTTEA VGHPLDLTI EAGGTITVPA
 RSTMLLRQVE APDYTKLEEK IAAEKREQL AAEKEAAEK ELLEAAAKEA EDAAEALHLA
 AERASTQEA LAHQHGADAI ADEVAEEPQE LPQDEVAAEV ETEPDTEPDT ESDSEQA EVA

SEEPEADEEEE K

> RXA01886 (1-774, translated) 258 residues

MTFKLAACAE MIYQDLPFEE RVKTISDQGF LVEIWDWSTK DIDALVATGA EFSSMTGYLR
GDLITEQGRA ELLATASESL AVAEKLNCPRLNLHGTGLGP QGLPVTPIEV VTPBMWLYAA
ETLRQIAELG ERAGKVFVLE NLNLAVDHPG TPFKATDTL ALVKAVNHPN LRLNLDLYHA
QIGEGNLIEL LREAQPFIGE IQVADVPGRM EPGTGEINYQ GVAKALAAMG YDGVIGMEAW
ASGDSSDALQ ALKSAFTV

> RXA01887 (1-1011, translated) 337 residues

MSVKLALIGA GRIGSNHARL ITNHVIGSEL VAVVDPTPNA ETLADELGAV AFSNPDDVLT
RDDIDAVLIA TPARTHADLV VKAAAAGKHV FVEKPMATL EDADRINA REANTVLQVG
FNRRFAAGFA AARARIDAGD IGTPQLLRV TRDPGPFTAD PNKIPQWTIF LETLIHDFDA
LCYLNPGATP VEVTAHADCL VVPEAAGTGF LDTAVVTVRF DNGAIGTAEA SFSAAAGYDV
RGEVFGSKGM MTAGDARATN MTFYGAEGIA AATSRADTDL LSDAYRAEFQ AFVDSIRTNT
PSKVPGEAAR TALLIALGAI RSVETGATIN LAESIEV

> RXA01888 (1-558, translated) 186 residues

MADVAKAAGV STALVSIVFR DAPGASESTR NHVKEKAAEL GYIPDRRAQK LRQNRSGSLIG
VAFEMHQAFH GDIVEHLYPT ARKHGFDLYL SAITPTRTEK DAVNALIRER CEAVILLGSR
MSPSDLETIA QQLPVQVIAR GSGTPKVSSV HVDDAVGAQL ALNHLIELGH EHIIYIDGGD
APGTQE

> RXA01891 (1-819, translated) 273 residues

YYNKDLWAKA GLEDRGPESW EEFSEWGPKL QEAMDSGFAH GWGDATNYLS WTFEGPMWSL
GGNYSEGWES RLTPPETIRA VEWLKSTVDE GFATVSTDVT NEFATGLIGS CIQSTGDLSS
VAGAASFDWG VAALPNPTGE GACPTGGAGL GIPSGISEQR QDNALKFIDF LTNAANTGYW
SRETGYVPVR KDAASDPDHA AFLEENPAYN VAVEQLPDTR SQDNFRVLLP NGDRTIGDAL
EKICLTGADI DVTLAEVETK LNTIYTRDIE PLI

> RXA01895 (1-816, translated) 272 residues

HHLFQPELLYQ VATGILSSGE IAPSTRQILG SQENVNVIK EVTDINVESQ TVTASLGFE
RVFEYDSLIV GAGAGQSYFG NDHFAEFAPG MKSIDDALAI RARIIGAFER AEICEDPAER
ERLLTFVVVG AGPTGVELAG QLAEMAHRTL AGEYKNFNTN SAKIILLDGA PQVLPPFGKR
LGRNAQRTLE KMGVNVRLNA MVTNVDATSV TYTKDGEEH TIESFCKIWS AGVAASPLGK
LVAEQTGVEV DRAGRVMVND DLSVGDQKNV FV

> RXA01901 (1-1260, translated) 420 residues

MVKRQLPNPA ELLELMKFKK PELNGKKRRL DSALTIYDLR KIAKRRTPA AFDTYDGAEE
AELSITRARE AFENIEFHPD ILKPAEHVDT TTQILGGTSS MPFGIAPTGF TRLMQTEGEI
AGAGAAGAAG IPFTLSTLGT TSIEDVKATN PNGRNWFQLY VMRDREISYG LVERAAKAGF
DTLMFTVDTP IAGYRIRDSR NGFSIPPQLT PSTVLNAIPR PWWWIDFLT PTLEFASLSS
TGGTVGDLN SAMDPTISYE DLKVIREMWP GKLVVKGQVN VEDSVKLLDQ GVDGLILSNH
GGRQLDRAPV PFHLLPQVRK EVGSEPTIMI DTGIMNGADI VAAVAMGADF TLIGRAYLYG
LMAGGREGVD RTAILRSEI TRTMALLGVS SLEELEPRHV TQLAKMVPVS DATRSAAAEI

> RXA01915 (1-1008, translated) 336 residues

IDVSVVVAN FLHREIVEAL LASGKHLVCE KPLSDTIEDA EAMIEAAGRA ATNGTIARIG
LTYRRSPGVA HIRDLVQSGE LGKVLHVTGH YWTDYGSNAQ APISWRYKGP NGSGALADVG
SHLTYLAEFV AGSDFAAVRG GQLSTVITER PKPLGAIVGH EGGAVSDEYE AVENDDIASF
SGSFIGGGTA TLQVSRIQSG HPNTLGFVFEV CEKGSVLFDF RNSGEFKIFT PATSGDISQE
AGYRTITIGP KHPYWRGGLA MDAPGVGIGQ NEGFFVQARA FLEEIAGISE AESLPRCATL
EEGLHNMQLI DAVSQSAAAG GETVAVPAA LIPANN

> RXA01919 (1-285, translated) 95 residues

MTTTHDKQLG IMYIIMSFSF FFLGGLMALL IRAELFTPGL QFLSNEQFNQ LFTMHGTVML
LLYGTPIVWG FANYVLPLPT TXQAFSKTRV NSPRE

> RXA01927 (1-1116, translated) 372 residues

NDTRSAQAAL DLNEEIGGDQ AAVDATGSVY VASLTATKMR WMRDHEPEN A ARTASVMLPH
 DFLTWHLMGR GRKVTDHGDA SGTGYSTRD RAWRTDLAAL ALGHEVELPE LLAPNAIAGT
 TPGGVKVAAG TGDNAALG LDLQPGDVS SIGTSGVAGM TVQHSVHDPS GLVTGFADAT
 GAYFPLACTL NGAPVLEFGR RILGVEWEEF DALALAAQPG SGGVTLPQYL EGERTPNRPA
 ARGVLAGLNC ATTREDFARA TVEGLLLALD DAVTALVEAT GVPVQRIQLI GGGARSQAVR
 EIAPEIFGHE IVVPEPAEYV ALGAARQAAW ALSGEATPPQ WPTPGSDPHR APKNTLSTR
 YAKLRAATQG WY

> RXA01952 (1-216, translated) 72 residues
 PGLCRQAGRG SQGADDRIQH LLEEKGKKLP AEHNYGRMYK LPESMEEHFK ELDPTNTFNA
 GIGGTSPHKD WA

> RXA01955 (1-1599, translated) 533 residues
 MTQPQQT TTT SHEAIDAFKR IVGDEHVLTS ERATMPFSKG YRFGGGPVFA VVRPGTLVEM
 WRALQVSVDN NLIVIPQASN TGLTGGSGPG FQDYDRPIVI ISTRIDEVH LINDAREAIS
 LAGTPLTHLT DALAKHQREP HSVIGSTSIG ASVIGGIANN SGGSQIRKGP AFTREAI FAR
 VNDDGKVELV NHLGISLGDD PEVALDRLQR GEWSPEDVTP APEDSNET EY AEHLRKIVPS
 PARYNANPEY LFEASGSAGK LMVFAVRTRT FPREVHPTVF YIGTNNTHEL EEIRRLFLEA
 DMPLPISGEY MGRSAFDLAE KYGKDTFVFL KFMSPALQTR MFSFKTWANG LFSKIPGIGP
 TFADTVSQAM FSVLPNQLPK RMMEYRNRFE HHLLLTVSES QKAASEKMLK EFFAEPEHTG
 EFFICTSDEE KSASLNRFGA ASAATRYAAL KRRHIAGLIP IDVALRRDDW NWLEVLPEEI
 DDQLEVKAYY GHFFCHVMHQ DYVAKQGVDL EALHDRIQHL LEERGAKLPA EHN

> RXA01989 (1-630, translated) 210 residues
 VKSIHKTIHE GTGAGSDFLG WVDLPVDYDK EEFSRIVEAS KRIKENS DVL VVIGIGGSYL
 GARAAIEMLT SSFRNSNEYP EIVFVGNHLS STYTKELVDY LADKDFSVNV ISKSGTTTEP
 AVAFRLFKQL VEERYGKEEA QKRIFATTDK EKGALKQLAT NEGYETFIVP DDVGGRYSVL
 TAVGLLPIAT AGINIEAMMI GAAKAREELS

> RXA02026 (1-720, translated) 240 residues
 PFHIQPETGL LNDPNGLIFY KGKYYVSHQW FPLGAVHGLK YWYNYTSDDL INFKPEGPIL
 NPDTKYDSHG VYSGSAFEYN GHLYMYTGN HRDNHWQRHA SQMIARLKED GSVEKFPPKV
 ISQQPEGYTS HFRDPKVFKY GEKYIAIIGA QNNDQQGRLL LYNTEDIINW HYLGEINTEL
 DDFGYMWECP DYFNLDNQDV ILICPQGI EP KGNQFKNIYQ SGYILGKF DI EKLT YEHE NF

> RXA02028 (1-426, translated) 142 residues
 MSLPIDEHVN AVKTVVVPAA GLGTRFLPAT KTVPKELLPV VDTPGIELIA AEAELGATR
 LAIITAPNKA GVLAHFERSS ELEETLMERG KTDQVEIIRR AADLIKAVPV TQDKPLGLGH
 AVGLAESVLD DDEDVVAVML PH

> RXA02054 (1-1017, translated) 339 residues
 MTSLLVTGGA GFIGANFVRQ TVEQHPEYTH ITVLDKLYA GNADNLKGLP DSKVTLIEGD
 ICDAELVDSL VKDHDITVHF AAESHNDNSL NDSPFVHTN LIGTFVLLEA VRKHNRFRHH
 ISTDEVFGDL ELDDPNRFTE TTAYKPSSPY SATKAGSDHL VHAWIRSFGI QATMSNCSNN
 YGPYQHIEKF IPRQITNILA GLTPKLYGTG EQVRDWIHVD DHNDVHLIL SKGKIGETIYI
 IGADNDHVN KQVIELICEL MGLDKNAYEH VADRP GHD MR YAM DSTKLRT ELGWAPKYTD
 VDSGMRKGLE QTIDWYRENE AWWRPANNV EATYAKQGG

> RXA02055 (1-921, translated) 307 residues
 MEYGKQLTSH TTDIEGLLVF DFPVHGDNRG WFKENWQRTK MTNLGLP DFG PVQNNMSFNA
 TAGTTRGMHA EPWDKEVSVA VGSVFGAWVD LRAGSSTYGN VVTQKITPDV GYVPRGVAN
 GFQALDGT L YTYLVNDHWS PDAHYANVNL NMIDWLPIT EISEKDKKHP ALIDATPLPA
 RKVLVVGAGG QLGTALRAQF PDAEFVTRQE LDITS DLTEA RAWKQYSTII NAAAYTAVDQ
 AEHDRAAWD INAAAVATSR PSRATTTSPS CTC PQIMSST VRANPTMKTH RFPHSACTAN
 PKQPATS

> RXA02056 (1-2868, translated) 956 residues
 RHSVPRLTKG QGTIIGV GSM DYPAEFQGAS EDRLAELGVG KLVITITSTYD HRVIQGAVSG
 EFLRTMSRLL TDDSFWEIF DAMNVPTPM RWAQDVPNTG VDKNTRVMQL IEAYRSRGHL
 IADTNPLSWV QPGMPVPDHR DLDIETHNLT IWDLDRTFNV GGFGGKETMT LREVL SRLRA

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AYTLKVGSEY THILDRDERT WLQDRLEAGM PKPTQAEQKY ILQKLNAAEA FENFLQTKYV
GQKRFSLEGA EALIPLMDSA IDTAAGQGLD EVVIGMPHRG RLNVLFNIVG KPLASIFNEF
EGQMEQQQIG GSGDVKYHLG SEGQHLQMFQ DGEIKVSLTA NPSHLEAVNP AMEGIVRAKQ
DYLDKGVDGK TVVPLLLHGD AAFAGLGIVP ETINLAKLRG YDVGGTIHIV VNNQIGFTTT
PDSSSRMHYA TDYAKAFGCP VFHVNGDDPE AVVWVGQLAT EYRRRFQKDV FIDLVCYRLR
GHNEADDPMS TQPKMYELIT GRETURAQYT EDLLGRGDLS NEDAEAVVRD FHDQMESVFN
EVKEGGKKQA EAQTGITGSQ KLPHGLETNI SREELLELGQ AFANTPEGFN YHPRVAPVAK
KRVSSVTEGG IDWAWGELLA FGSLANSRL VRLAGEDSRR GTFTQRHAVA IDPATAEEFN
PLHELAQSKG NNGKFLVYNS ALTEYAGMGF EYGYSVGNED SIVAWEAQFG DFANGAQTII
DEYVSSGEAK WQTSKLILL LPHGYEGQGP DHSSARIERF LQLCAEGSMT VAQPSTPANH
FHLLRRHALS DLKRPLVIFT PKSMLRNKAA ASAPEDFTEV TKFQSVINDP NVADAANKVKK
VMLVSGKLYY ELAKRKEKDG RDDIAIVRIE MLHPIPFNRI SEALAGYPNA EEVLVQDEP
ANQGPWPFYQ EHLPELIPNM PKMRRVSRA QSSSTATGVAK VHQLEEKQLI DEAFEA

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> RXA02061 (1-1494, translated) 498 residues

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MTNVSGYHRP ELHITAESGV LFAPAGVLLD DDTWHFFHQY RPSPDHGPRW AHQFAERTPF
VWDICDDVLA PEGDETQVRA GSVVSNNGGV DLYFTSVVGP TSTIQLAHIN NIRGTTTELIN
EDELGLDPDV SRIGEVVGNL DGYVKFRSPC VIPGWEDQGN RDEGHSGWLM LAVTGPEVAP
TVVVLDSPDG REWSITGPLS LNGLSGLESD EVLVAPRMIR LRDEVDHEIY DVLIVTIEQD
GIDISGYLVG QLNSEFDVK TPFTRIDFGH DFSRPRNTNY AETTIGYDFA HIFGLMNGVG
RLDSPTEHLS WKEEGWANAI SFPRIVTLQD GTVFQTPPEG LLDIAHESEA AAGWTGLCEI
PSNSAVEVAL KDQEGEIAAT ITHRHNLV LV DRSMNPNHAG DPHAIAPLTD DETDSLFIIV
DGSTVEVFAD GGYVSMASRV YFNNGPFSEF EVTTTGDASI IRQESHFPVD FSSVSLDIDD
LTALMQFDEN EPHEGPVR

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> RXA02063 (1-1227, translated) 409 residues

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MVKGVKGRPN VLAIVLAGGE GKRLFPLTED RAKPAVPFGG TYRLIDFVLS NLVNSGFLKI
AVLTQYKSHS LDRHISLSWN VSGPTGQYIA SVPAQQRGLK RWFTGSADAI LQSLNLISDE
KPDYVIVFGA DHVYRMDPSQ MLDEHIASGR AVSVAGIRVP REEATFGCI QSDVDGNITE
FLEKPADPPG TPDDPDMTYA SMGNYIFTTE ALIQALKDDE NNENS DHDMG GDIIPIYFVSR
NDAHVYDFSG NIVPGATERD KGYWRDVGTI DAFYECHMDL ISVHPIFNLY NSEWPIHTTS
EGNLPPAKFV RGGIAQSSMV SSGSIISAGT VRNSVLSNNV VVEEGATVEG AVLMPGVRIG
KGAVVRHAIL DKNVVVRDGE LIGVDQVRDA QRFKVSAGGV VVVGKNQVV

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> RXA02100 (1-918, translated) 306 residues

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IAGKAHPHDM GGKKLMQEIY HFADQAGVRD RFLFLPDYDI NLASYLISGA DVWLNNPVRP
QEASGTSGMK AVMNGGLTLS ISDGWWDEMP KETTGWITPT VESQDLECRD HLESQALYDL
LENEVAPLFY KRDKNIGIPQD WLDLVRESWT TLSPMVTSTR MVRDYTTQYY RPTKHQAELI
AQPAEAADYA AWLEHIKAEW AGVKVSDLKI SESAITAQEL EVSVRVDSGS LNDDEFQAQA
LFGALGHNGD IEDPEITVLT PRGDGAYAAK VSTDLPNGY ITARVVPNNR MLVSPAETRL
ITYLEN

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> RXA02113 (1-1206, translated) 402 residues

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LGRINAEQON LSEYLSDKLW YQDTADATDA VGDPLVAYFS MEFGIHPSLP IYSGGLGVLA
GENMKSASDL GVPLIGVGLL YTHGYFTQSL SGDGWQEEY KYHDPALPI EAVKDKNGEQ
VTVSVTYPGA QEVKIALWVA NVGRIPLLLL DTNIEANPEE LRNVTDRLYG GDNEHRIKQE
LVLGVGGVRA VNAFCEARGL KRSSVAHLNE GHAGFLTLE IRERIAEGME YPAAFEQVRA
SNIFTTHTPV PAGIDRFDMV MVRRLYGGGQ PEDQQLCVGV PIEKALELGQ ESDPHRFNMA
HMGLRASQHA NGVAKLHGEV SRDMFAGLYP GYEPREVPIG HVTNGVHLPT WVKPEMKELI
DRVTGGADLA VADSWSNPQA VESEKIWKVR NKFRADLVEV AR

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> RXA02122 (1-699, translated) 233 residues

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MLHVMKPGSH AAAEKTQSTV VLLIRHGQTP TTGQVLPQGT PGLHLSDKGE EQAREVAQRL
AEVPITAVYS SPMERAQETA APTVSAHGLE LTVEPGLIEC DFGWTGRKL TELNALEEWK
AVQKTPSTFR FPGGESFVEM QDRMVEAIGN IAQQHPGEIV AAFSHADTIK AAVAHFVGTP
LDSFQRIFID TASI SAVEFT GKSSGVSSH LLTNSRTGSL GYLKDKLPKA PQP

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> RXA02140 (1-1077, translated) 359 residues

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VEQQNKRLGK RKALLGGVLG LGGLAMAGCE VAPPGVGLGD FLRMGWPDGI TPEAVAMGNF
WSWVVAAWI IGIIMWGLFL TAIFAWAKR AEKRGEGEFP KQLQYNVPLE LVLTVPIII

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VMVLFFFTVQ TQDKVTALDK NPEVTVDVTA YQWNWKFGYS EIDGSLAPGG QDYQGS DPER
 QAAAEASKKD PSGDNPIHGN SKSDVSYLEF NRIETLGTTD EIPVMVLPVN TPIEFNLASA
 DVAHSFWVPE FLFKRDAYAH PEANKSQRVF QIEEITEEGA FVGRCAEMCG TYHAMMNFEL
 RVVDRDSFAE YISFRDSNP ATNAQALEHI GQAPYATSTS PFVSDRTATR DGENTQSNA

> RXA02142 (1-651, translated) 217 residues
 VTLANQTAIL DSVTSavgnt GMAAPQRVAA LNRPNMVSvg TIVFLSQELM FFAGLFAMYF
 VSRANGLANG SWGEQTDHLN VPYALLITVI LVSSSVTCQF GVFAAERGDV YGLRKWFLVT
 IILGSIFVIG QGYEYITLVG HGLTIQSSVY GSAFFITTGF HALHVIAGVM AFVVVLMRIH
 KSKFTPAQAT AAMVVSYYWH FVDVWVWIGLF ITIYFIQ

> RXA02143 (1-888, translated) 296 residues
 MMETNPQTPE GNSMAKPSAK KVKNNRRKVR TVAGALALTI GLSGAGILAT AITPDAQVAT
 AQRDDQALIS EGKDLVDVAC ITCHGVNLOG VEDRGPSLVG VEGEAVYFQV HSGRMPILRN
 EAQAERKAPR YTEAQTALA AYVAANGGGP GLVYNEDGTL AMEELRGYNY DGQITSADVA
 RGGDLFRLNC ASCHNFTGRG GALSSGKYAP NLDAANEQEI YQAMLTGPQN MPKFSDRQLS
 ADEKKDIIAF IKSTKETPSP GGYSLSGLGP VAEGLFMWVF GILVLVAAAM WIGSRS

> RXA02144 (1-1224, translated) 408 residues
 MSNNNDKQYT TQELNAMSNE DLARLGTELD DVTIAYRKER FPIANDPAEK RAARAVTFWL
 VLGIIGGLGF LATYIFWPWE YKAHGDEGLL AYTYLTPMLG ITSGLCILSL GFAVVLYVKK
 FIPEEIAVQR RHDGPSEEVD RRTIVALLND SWQTSTLGRR KLIMGLAGGG AVLAGLTIIA
 PMGGMIKNPW NPKEGPMVQ GDGTLWTSGW TLVENDVKVY LGRDTAAIAE SHTDATGEHW
 STTGVSRLVR MRPEDLAAS METVFPLPAE MVNDGAEDP AKDVYEHQMH SVHGPRNAVM
 LIRLRTADAE KVIEREQES FHYGDYAYS KICTHIGCPT SLYEAQTNRI LCPCHQSQFD
 ALHYGKPVFG PAARALPQLP ITVDEEGYLI AAGNFIEPLG PAFWERKS

> RXA02147 (1-1017, translated) 339 residues
 MFGRRWVSVV ASCVIASLI LVP SHSGAE VDQLIADIEH VSQETSQNE EVKQLEIDIE
 AREVTIKEVQ EQSVSYREAA DQASENVEAY RSEINRIAQA KYRGTVTDPL SIAVSAEDPQ
 NVIDRMSYLS TLTKSTSDVV ESLNAETES AEA VYQANRT KAEAEFQLGQ LKVRQAELES
 EKEALDGRKS EIRDVRDALP QEREMWVAK NGPLDIDLTD LLGLSAATSG AVDAALSKLG
 SPYWG GIGP NEFDCSGLIY WAYQQMGKTL PRSQAQ MAG GTPVSRDELQ PGDVIGYYPG
 ATHVGLIYIGD GKIVHASDYG IPVQVVSVDs APFYGARRY

> RXA02149 (1-969, translated) 323 residues
 MPQKPASFAV GFDIGGTNMR AGLVDES GRI VTSLSAPSPR TTQAMEQGIF DLVEQLKAEY
 PVGAVGLAVA GFLDPECEVV RFAPHL PWRD EPVREKLENL LGLPVRLEHD ANSAAWGEHR
 FGAAQ GADNW VLLALGTGIG AALIEKGEIY RGAYGTAP EF GHLRVVRGGR ACACGKEGCL
 ERYCSGTALV YTARELASHG SFRNSGLFDK IKADPN SING KTITAAARQE DPLALAVLED
 FSEWLGETLA IIADVLDPGM IIIGGGLSNA ADLYLDRSVN HYSTRIVGAG YRPLARVATA
 QLGADAGMIG VADLARRSVV EAN

> RXA02175 (1-1293, translated) 431 residues
 VATDNNAVL HYPGGEFEMD IIEASEGNNG VVLGKMLSET GLITFDPGYV STGSTESKIT
 YIDGDAGILR YRGYDIADLA ENATFNEVSY LLINGELPTP DELHKFNDEI RHHTLLDEDF
 KSQFNVFPRD AHPMATLASS VNILSTYYQD QLNPLDEAQL DKATVRLMAK VPMLAAYAHR
 ARKGAPYMYD DNSLNARENF LRMMFGYPTE PYEIDPIMVK ALDKLLILHA DHEQNCSTST
 VRMIGSAQAN MFVSIAGGIN ALSGPLHGGA NQAVLEMLD IKS NHGGDAT EFMNKVKNE
 DGVRLMGFGH RVYKNYDPR AIVKETAHEI LEHLGGDDL DLAIKLEEIA LADDYFISRK
 LYPNVDFYTG LIYRAMGFPT DFFT VLF AIG RLPGWIAHYR EQLGAAGNKI NRPRQVYTG
 ESRKLVPREE R

> RXA02196 (1-693, translated) 231 residues
 MIKAI FWDMD GTMVDSEPQW GIATYELSEA MGRRLTPELR ELTVGSSLPR TMRLCAEHAG
 ITLSDADYER YRAGMFARVH ELFDES LVPN PGVTELLTEL KALEIPMLVT TINTERDLATR
 SVAAVGNEFF IGS IAGDEV TAKPAPMYL EAARRVG FDP SECLVFEDSY NGMLGAVTAG
 CRVIGLHPEE VQAPEGVVPL RSLHGKNSFE GVTAEMVTAW YHQIEPAGVA K

> RXA02209 (1-1659, translated) 553 residues

VVPSIAGPKR PQDRILLSEA KEQFRKDLPT YTDDAVSVDI SIPATRMVNE GGGQPEGGVE
 ADNYNASWAG SGESLATGAE GRPSKPVTVA SPQGGEYTID HGMVAIASIT SCTNTSNPSV
 MIGAGLIARK AAEGKLKSKP WVKTICAPGS QVVDGGYQRA DLWKDLEAMG FYLSGFGCTT
 CIGNSGPLPE EISAAINEHD LTATAVLSGN RNFEGRISPD VKMNYLASPI MVIAYAIAGT
 MDFDFENEAL GQDQDGNDFV LKDIWPSTEE IEDTIQQAIS RELYEADYAD VFKGDKQWQE
 LDVPTGDTFE WDENSTYIRK APYFDGMPVE PVAVTDIQGA RVLAKLGDSV TTDHISPASS
 IKPGTPAAQY LDEHGVERHD YNSLGSRRGN HEVMMRGTFE NIRLQNQLVD IAGGYTRDFT
 QEGAPQAFIY DASVNYKAAG IPLVVLGGKE YGTGSSRDWA AKGTNLLGIR AVITESFERI
 HRSNLIGMGV VPLQFPAGES HESLGLDGTE TFDITGLTAL NEGETPKTVK VTATKENGDV
 VEFDAICPHR HPR

> RXA02213 (1-717, translated) 239 residues
 VTESKNSFNA KSTLEVGDKS YDYFALSAPV GMEKLPYSLK VLGENLLRTE DGANITNEHI
 EAIANWDASS DPSIEIQFTP ARVLMQDFTG VPCVVDLATM REAVAALGGD PNDVNPLNPA
 EMVIDHSVIV EAFGRPDALA KNVEIEYERN EERYQFLRWG SESFSNFRV PPGTGIVHQV
 NIEYLARVVV DNEGLAYPDT CIGTDSHTTM ENGLGILGWG VGGIEAEAAM LGQPVSMLI

> RXA02245 (1-657, translated) 219 residues
 MAQRTPLIAP SILAADFSRL GEQVLAVPDA DWIHVDIMDG HFVPNLSFGA DITAAVNVRVT
 DKELDVHLM IENPEKWVDNY IDAGADCIVF HVEATEGHVE LAKYIRSKGV RAGFSLRPGT
 PIEDYLDLLE HFDEVIVMSV EPGFGGQSFM PEQLEKVRTL RKVIDERGLN TVIEIDGGIS
 AKTIKQAAAD GVDAFVAGSA VYGAEDPNKA IQELRALAQ

> RXA02256 (1-1002, translated) 334 residues
 MTIRVGINGF GRIGRNFFRA VLERSDDLEV VAVNDLTDNK TLSTLLKFDS IMGRLGQEEVE
 YDDDSITVGG KRIAVYAERD PKNLDWAAHN VDIVIESTGF FTDANAATAH IEAGAKKVII
 SAPASNEDAT FVYGVNHESY DPENHNVISG ASCTTNCLAP MAKVLNDKFG IENGLMTTVH
 AYTGDQRLHD APHRDLRRAR AAANIVPTS TGAAKAVALV LPELKGKLDG YALRVFVITG
 SATDLTFNTK SEVTVESINA AIKEAAVGEF GETLAYSEEP LVSTDIVHDS HGSIFDACL
 KVSQNTVKVV SWYDNEWGYT CQLRLTELV ASKL

> RXA02257 (1-1215, translated) 405 residues
 MAVKTLKDLL DEVDGRHVI VRSDFNPLN DDREITDKGR IIASLPTLKA LSEGGAKVIV
 MAHLGRPKGE VNEKYSAPV AEALSDELGQ YVALAADVVG EDAHERANGL TEGDILLLEN
 VRFDPRETSK DEAERTAFQA ELAALAADNG AFVSDGFGVV HRAQTSVYDI AKLLPHYAGG
 LVETEISVLE KIAESPEAPY VVVLGGSKVS DKIGVIEALA AKADKIIVGG GMCYTFLAAQ
 GHNVQSSLQ EEMKATCTDL LARFGDKIVL PVDLVAASEF NKDAEKQIVD LDSIPEGWMS
 LDIGPESVKN FGEVLSTAKT IFWNGPMGVF EFAAFSEGTR GIAQAIIDAT AGNDAFSVVG
 GGDSAASVRV LGLNEDGFSH ISTGGGASLE YLEGKELPGV AILAQ

> RXA02258 (1-777, translated) 259 residues
 MARKPLIAGN WKMNLHQQA IGTVQKLAFI LPKEYFEKVD VAVTVPFTDI RSVQTLVEGD
 KLEVTFGAQD VSQHESGAYT GEVSASMLAK LNCSWVVVGH SERREYHNES DELVAAKAKA
 ALSNGISPIV CVGEPLIRE AGTHVEYVVE QTRKSLAGLD AAELANTVIA YEPVWAGTG
 KVASAADAQE VCKAIRGLIV ELAGDEVAEG LRILYGGSVK AETVAEIVGQ PDVDGGLVGG
 ASLDGEAFK LAANAASVA

> RXA02259 (1-2772, translated) 924 residues
 VFQVMTDFL RDDIRFLGQI LGEVIAEQEG QEVYELVEQA RLTSFDIAKG NAEMDSLQVQ
 FDGITPAKAT PIARAFSHFA LLANLAEDLY DEELREQALD AGDTPPDSTL DATWLKLNAG
 NVGAEAVADV LRNAEVAPVL TAHPTETRRR TVFDAQKWIT THMRERHALQ SAEPTARTQS
 KLDEIEKNIR RRITILWQTA LIRVARPRIE DIEVGLRYY KLSLLEEIPR INRDVAVELR
 ERFEGGVPLK PVVKPGSWIG GDHDGNPYVT AETVEYSTHR AAETVLKYYA RQLHSLEHEL
 SLSDRMNKVT PQLLALADAG HNDVPSRVDE PYRRAVHGV GRILATTAEL IGEDAVEGVW
 FKVFTPYASP EEFLNDALTI DHSRESKDV LIADDRLSVL ISAIESFGFN LYALDLRQNS
 ESYEDVLTEL FERAQVTANY RELSEAEKLE VLLKELRSPR PLIPHGSDEY SEVTDRELGI
 FRTASEAVKK FGPRMVPHCI ISMASSVTDV LEPVLLKEF GLIAANGDNP RGTVDVPIPLF
 ETIEDLQAGA GILDELWKID LYRNYLLQD NVQEVMLGYS DSNKDGGYFS ANWALYDAEL
 QLVELCRSAG VKLRLFHGRG GTVGRGGGPS YDAILAQPRG AVQGSVRITE QGEIISAKYG
 NPETARRNLE ALVSATLEAS LLDVSELTDH QRAYDIMSEI SELSLKYYAS LVHEDQGFID

YFTQSTPLQE IGSLNIGSRP SSRKQTSSVE DLRAIPWVLS WSQSRVMLPG WFGVGTALEQ
 WIGEGEQATQ RIAELQTLNE SWPFFTSVLD NMAQVMSKAE LRLAKLYADL IPDTEVAERV
 YSVIREEYFL TKKMFVCITG SDDLDDNPL LARSVQRRYP YLLPLNVIQV EMMRRYRKGD
 QSEQVSRNIQ LTMNGLSTAL RNSG

> RXA02288 (1-846, translated) 282 residues
 MSQVIPASSQ EKRRERIVSY VTRHGFAVE ALAELEFVSA MTIHRDLEAL AADNLVERIR
 GGARSVSPSM SELAVEQRRH LHRTVKEALC TAAARLIPEG AVVAIDDDSTT LESLVEKLPQ
 RSPSALITHS LKTMADHRVR AGMSDIRLIA CAGLYFAETD SFLGKATSAQ LNELSADISF
 VSTTAVRATG EVPALFHPDM EAADTKRALI GIGSVRVLVV DSSKFGSAGV FKVASIEEFD
 HIIIDQQCTR EQRDLLRNSR AQIHVIDHNG DEILDTPTEE DF

> RXA02292 (1-675, translated) 225 residues
 MDNDFESIEK MSSGDWYVAT GAEREEVAQK TALLFHEYNO IGPTDPARTA EILRTVLNPA
 SGTCTIKAPA IIEYGFNTTI GEHVFINFGL TILDIAPVRI GARSMLGPNC QLFTAGHPVD
 DWEMRSGGWE NGAPISIGED TWLGGNVTVV GGVSIGDRCV IGAGPVVTKD IPDDSIAGVN
 PARVVRKRDD SRLERSQLPE GASVDALGIL PTKSPRLSEN IAEKY

> RXA02322 (1-411, translated) 137 residues
 MRIHDVYTHL SADNFPKAEH LAWKFSELAT DPVEVTPDVS EMIINRIIDN AAVSAASVLR
 RPVTVARQQA QSHPREKGGK VFGISGSYSP EWAAFANGVA VRELDHFDTF LAEYSHPGD
 NIPPLLAQAQ AQRSSGR

> RXA02326 (1-816, translated) 272 residues
 MLGRPTKVTP SSKVVGDLAL HLVGAGVDPD DFAADPQKYD IPDSVIAFLR GELGNPPGGW
 PEPLRTRALE GRSEGKAPLT EVPEEEQAHL DADDSKERRN SLNRLLFPKP TEEFLEHRRR
 FGNTSALDDR EFFYGLVEGR ETLIRLPDVR TPLLVRDLAI SEPDDKGMN VVANVNGQIR
 PMRVRDRSVE SVTATAEKAD SSNGKHVAAP FAGVVTVTVV EGDEVKAGDA VAIIEAMKME
 ATITASVDGK IDRVVVPAAT KVEGGDLIVV VS

> RXA02327 (1-960, translated) 320 residues
 LLATRVRSFA LKPAAEAVAK LTPELLSVEA WGGATYDVAM RFLFEDPWDR LDELREAMPN
 VNIQMLLRGR NTVGYPYPD SVCRAVKEA ASSGVDIFRI FDALNDVSQM RPAIDAVLET
 NTAAEVAMA YSGDLSDPNE KLYTLDDYLLK MAEEIVKSGA HILAIDMAG LLRPAAVTKL
 VTALRREFDL PVHVHTHDTA GGQLATYFAA AQAGADAVDG ASGTTVWHHL PSHPLSAIVA
 AFAHTRDGTG LSLEAVSDLE PYWEAVRGLY LPFESGTPGP TGRVYRHEIP GGQLSNLRAQ
 ATALGLADRF ELIEDNYASR

> RXA02328 (1-1383, translated) 461 residues
 ASEAVRIGTE GSPVKAYLDI DEIIGAACKV KADAIYPGYG FLSENAQLAR ECAENGITFI
 GPTPEVLDLT GDKSRAVTAA KKAGLPVLAE STPSKNIDEI VKSAEGQTYF IFVKAVAGGG
 GRGMRFVASP DELRKLATEA SREAAAFGD GAVYVERAVI NPQHIEVQIL GDHTGEVVHL
 YERDCSLQRR HQKVVEIAPA QHLDPELRDR ICADAVKFCR SIGYQAGTV EFLVDEKGNH
 VFIEMNPRIQ VEHTVTEEVV EVDLVKAQMR LAAGATLKEL GLTQDKIKTH GAALQCRITT
 EDPNNGFRPD TGTITAYRSP GGAGVRLDGA AQLGGEITAH FDSMLVKMTC RGSDFETAVA
 RAQRALAEFT VSGVATNIGF LRALLREEDF TSKRIATGFI ADHPHLLQAP PADDEQGRIL
 DYLADVTVNK PHGVRPKDVA APIDKLPNIK DLPLPRGSRD R

> RXA02329 (1-603, translated) 201 residues
 TATRQSRKGE ISSWKAEPAP FAGKMAIEAM DRAMRGEQSP APIWEGEDGV IAWLLSGKDH
 VYHVPLPEHG EPKLGILETY TKEHSAEYQS QAPIDLARRM KPLVDAAGGT EHIAEIVLRT
 SHHTHYVIGT GANDPQKMDP QASRETLDSH IMYIFAVALQ DGVWHHEFSY TRKRSTRPET
 VELWHKIRTV EDPEWTRRYH S

> RXA02332 (1-1143, translated) 381 residues
 MSDSQVRKGL NGVISDYTSI SKVMPESNSL TYRGYAVEDL VENCSEFEVI YLLWFGELPT
 TEQLRTFNTT GRSYRSLDAG LISLIHSLPN TCHPMDVLRT AVSYMGT FDP DPFTRDADHI
 RSIGHNLLAQ LPMVVAMDIR RRSGEIIP DHNKGIASNF LSMVFGNDDG SVANSADDIR
 DFERSLILYA EHSFNASTFS ARVISSTRSD TYSAITGAIG ALKGPLHGGA NEFVMHTMLD
 IDDPNNAADW MGKALDRKER IMGFGHRVYK NGDSRVPSME KSMRSLAARH RGQKWVHMYE

SMQEVMEART GIKPNLDFPA GPAYYMLGFP VDFFTPLFVL ARVSGWTAHI VEQFENNALI
RPLSAYNGVE EREVVPISER T

> RXA02333 (1-219, translated) 73 residues
EIGYNAVIYP VTTLRIAMGQ VEQALAEIKE HGTQEGWLDR MQHRSRLYEL LRYEDYNVFD
QHIFTYRKGE NNE

> RXA02379 (1-705, translated) 235 residues
MRKHRWANAA GLYADTVAES TIGLILAQMH MHATTRLAKS WSVRPEVENN KSWLHDNKT
AILGAGGIGV RLLEMLKPFN VKTIAVNNSG RPVEGADETF AMDKAEHVWA EADVFLILP
LTDATYQIVN AETLGKMKPS AVVVNVGRGP LINTDDLVDL LNNGTIAGAA LDVTDPEPLP
DSHPLWEMDN VVITPHTANT NERIRALTGE LTLRNIELFE AGEQMATEVD VVAGY

> RXA02399 (1-1296, translated) 432 residues
MSNVGKPRTA QEIQDWDN PRWNGITRDY TADQVADLQG SVIEHTLAR RGSEILWDAV
TQEGDGYINA LGALTGNQAV QQVRAGLKAV YLSGWQVAGD ANLSGHTYPD QSLYPANSVP
SVVRRINNAL LRSDEIARTE GDTSDVNWV PIVADGEAGF GGALNVYELQ KAMIAAGAAG
THWEDQLASE KKGCHLGGKV LIPTQQHIRT LNSARLAADV ANTPTVVIAR TDAEAATLIT
SDVDERDQPF ITGERTAEGY YHVKNLEPC IARAKSYAPY ADMIWMETGT PDLELAKKFA
EGVRSEFPDQ LLSYNCSPSF NWSAHLEADE IAKFQKELGA MGFKFQFITL AGFHSLNYGM
FDLAYGYARE GMTSFVDLQN REFKAEEERG FTAVKHQREV GAGYFDQIAT TVDPNSSTTA
LKGSTEEGQF HN

> RXA02404 (1-2136, translated) 712 residues
MQVAKVLYDF VTEAVLPRVG VDAEKFWSGF AAIARDLTPR NRELLARRDE LQMLIDDYHR
NNSGTIDQEA YEDFLKEIGY LVEEPEAAEI RTQNVDTAIS STAGPQLVVP ILNARFALNA
ANARWGSLYD ALYGTNAIPE TDGAEKKEY NPVRGQKVIE WGREFLDSV PLDGASHADV
EKYNITDGKL AAHIGDSVYR LKNRESYRGF TGNFLDPEAI LLETNGLHIE LQIDPVHPIG
KADKTGLKDI VLESATITIM DFEDSVAADV AEDKTLGYSN WFGLNTGELK EEMSKNGRIF
TRELNKDRVY IGRNGTELVL HGRSLLFVRN VGHLMQNPSI LIDGEEIFEG IMDAVLTTVC
AIPGIAPQNK MRNSRKGSY IVKPKQHGP EVAFTNELFG RVEDLLDLPR HTLVGVMD
ERRTSVNLDA SIMEVADRLA FINTGFLDRT GDEIHTSMEA GAMVRKADMQ TAPWKQAYEN
NNVDAGIQRG LPGKAQIGK MWAMTELMAE MLEKKIGQPR EGANTAWVPS PTGATLHATH
YHLVDVFKVQ DELRAAGRRD SLRNILTIST APNTNWSEEE KKEEMDNQC SILGYVVRWV
EHGVGCSKVP DIHDIDLMD RATLRISQ LANWIRHDV SKEQVLESLE RMAVVVDKQN
AGDEAYRDMA PKYDASLAFQ AAKDLIFEGT KSPSGYTEPI LHARRREFKA KN

> RXA02414 (1-747, translated) 249 residues
MSYNPYNNT NFSTTGAFQ AGGPVKPWNK PDASLNQQLK NKSRTVGLT IAIGYVVVIW
AVHLASIVIA LLTGFNLTNF GIHPLDTSAL WGIFTSPLH GSFSLHIGT VPGFIFSFLI
GMSGKRVFWE VTIIAGLIGG LGTWIFGGIG TNHIGASGLI YGWLGYLIVR GIFNKDIKQF
LLGIVLAFIY SGLFWGLLPT QIGVSWQGH FGLGGIGAG AFIASDDPAA LKAKKQKKL
EKQQRQRL

> RXA02435 (1-558, translated) 186 residues
VTDNLGSTSI GDAWILYAPL MDDGGFGPLR AIGGMFLHIG PGHMLNLVL LWLLGREIER
DFGSALFTAM YFVGGIGASA AVIWM DPYSP TAGASGAIYA MMAILVGLFV LRSADIRAPL
ILIAINIAYT LMSTNVSLWG HLGGLITGAL ITWPMVKAKT QRTRWIIVLI GFAVVAAVI
LGIDRV

> RXA02440 (1-840, translated) 280 residues
MVSHGAPGDT FWDLVRKGAE DAAQKDNVEL RYSSNPEIPE QSNLVQNAID SRVDGIAMTM
PNAQSLGPVA QKAVDAGIPV VGLNAGMNEY QDYGMTGFFG QDESAGASA GARLAEENAQ
KVL CVIHEQG NSSQEARC GG VSEGLGKQVE TLYVNGMDLT SVNSTLQAKL AQDRSIDWV
GLQAGVSMAI SDAADAANSE VKIATFDTNA QLMATAIRDGK IQFAIDQQPY LQGYMAVDSL
WLAHRNGTTV GGRPVYTGP AIVDATNVDV IAEAVGEGLR

> RXA02453 (1-753, translated) 251 residues
MKSIFISGAA NGIGKAVALK FLHEGWLVGA YDLAEITYSH PNLRWGYLNV RQSESWDKAL

EDFATHTGGT IDVVDNNAGV IIEGPLQDAE EGSVDKLLAI NVNGVTLGAR AAHPYLARTP
GAQLLNMSA SAVYGGPQIA VYSASKFYVA GLTEALNLEW RKDDIRVVDV WPLWAKTDLV
NGVKAkslkr LGVRITPEQV AQAVWDAVHP KSRWAKGKVH HGVSKLDKAL YLMKSLSPDR
VAMCFARLIA G

> RXA02474 (1-774, translated) 258 residues
MSKVAMVTGG AQGIGRGISE KLAADGFDIA VADLPQQEEQ AAETIKLIEA AGQKAVFVGL
DVTDKANFDS AIDEAAEKLK GFDVLVNNAG IAQIKPLLEV TEEDLKQIYS VNVFSVFFGI
QAASRKFDL GVKGKIINAA SIAAIQGFPI LSAYSTTKFA VRGLTQAAAQ ELAPKGHTVN
AYAPGIVGTG MWEQIDAELS KINGKPIGEN FKEYSSSIAL GRPSVPEDVA GLVSFLASEN
SNYITGQVML VDGGMLYN

> RXA02480 (1-849, translated) 283 residues
LSIGALSMAV WAHHMFVTGA VLLPFFSMT FLISVPTGVK FFNWVGTMWK GHITWETPMI
WSVGFMAFL FGGLTGIMLA SPPLDFHLAD SYFLIAHFHY TLFGTVVFAS CAGVYFWFPK
MTGRMMDERL GKIHFVLTFFV GFHGTFLIQH WVGNMGMPPR YADYLDSDGF TIYNQISTVF
YFLLGLSVIP FIWNVFKSWR YGELVTVDDP WGYGNSLEWA TSCPPPRHNF ASLPRIRSER
PAFELHYPHM IERMRAEAHT GHDDINAPE LGTAPALASD SSR

> RXA02481 (1-612, translated) 204 residues
MLTGFLTPGG AADLGGPCTP HCLTQFTPA LVLTCGLSGV GATGIGSVAS AINMLTTILC
LRAPGMTMFR MPIFTWNIFV VSVLALLIFP LLLAAALGVL YDRKLGGHLY DPANGGSLLW
QHLFWFFGHP EVYVLALPFF GIVSEIIPVF SRKPMFGLRR PDLRLNVHWC TVHGCVGSPH
VRYWRSFASV LLLHVDVDFG SYRR

> RXA02485 (1-1101, translated) 367 residues
LDSSLAQEIA AIDGVELDSE VTFADLTTLR IGGKPRSAVR CQTEALVSA IKLLDDASLP
LLIVGGGSLN VVADGDLDVI AVIIETDDVS INLTGGLTA DAGAVWDDV HLSVDAGLGG
IECLSGIFGS AGATPVQNVG AYGTEVSDVL TRVQLLDRTT HQVSWVDASE LDLSYRYSNL
KFTNRAVLA IELQLLTDGL SAPLRFGLG RRLAISEAEP HPRRPVRMVR DAVLELRRAK
GMVVEHTDHD TWSAGSFFTN PIVDPALADA VFEKVGEPTM PRFPAGDGKE KLSAAWLIER
AGFKKGHPGA GAKASLSTKH TLALTNRGDA RASDLVALAK EIRDGVLETF GVTILVPEPVW
IGISIDD

> RXA02492 (1-717, translated) 239 residues
MTNGKLILLR HGQSEWNASN QFTGWVDVNL TEQGEAEAKG VLPGVVYTSI LRRAIRTANI
ALNAADRWI PVIRDWRLE RHYGALQGLD KAATKEYGD DQFMWRRSY DTPPELADD
AEYSQANDPR YADLDVVPRT ECLKDVVVR VPFEEEEILP RAKKGETVLI AAHGNLRLAL
VKHLDGISDA DIAELNIPTG IPLVYEIAED GSVVNPGGTY LDPEAAAAGA AAVANQGNK

> RXA02528 (1-975, translated) 325 residues
MSAKSSLKEV AELAGVGYAT ASRALSGKGY VSPQTRKVVQ AAAKELNYVP NQLAKALREH
RSALVGVIIP DLSNEYSES LQTIQQDLKA AGYQMLVAEA NSVQAQDVVM ESLISQAAG
IIHVPVVGSI APEGIPMVQL TRGELGPGFP RVLCDDEAGF FQLTESVLGG SGMNIAALVG
EESLSTTQER MRGISHAASI YGAEVTFHFG HYSVESGEEM AQVVFNNGLP DALIVASPRL
MAGVMRAFTR LNVVRPHDVV IGGYDDPEWY SFVGAGITTF VPPHEEMGKE AVRLLVDLIE
NPELPTGDVV LQQQVILRGS STHSG

> RXA02539 (1-1518, translated) 506 residues
MTVYANPGTE GSIVNYEKRY ENYIGGKWVP PVEGQYLENI SPVTGEVFCE VARGTAADVE
LALDAAHAAA DAWGKTSVAE RALILHRIAD RMEEHLEEIA VAETWENGKA VRETAAADIP
LAIDHFRYFA GAIRAQEDRS SQIDHNTVAY HFNEPIGVVG QIIPWNFPIL MATWKLAPAL
AAGNAIVMKP AEQTPASILY LINIIGDLIP EGVNLIVNGL GGEAGAALSG SNRIGKIAFT
GSTEVGKLIN RAASDKIIPV TLELGGKSPS IFFSDVLSQD DAFAEKAVEG FAMFALNQGE
VCTCPSRALV HESIADEFLE LGVKRVQNIK LGNPLDTETM MGAQASQEQM DKISSYLKIG
PEEGAQTLTG GKVNKVDGME NGYYIEPTVF RGTNDMRIFR EEIFGPVLSV ATFSDFDEAI
RIANDTNYGL GAGVWSRDQN TIYRAGAIQ AGRVWVNQYH NYPAHSAFGG YKESGIGREN
HLMMLNHYQQ TKNLLVSYPD NPTGLF

> RXA02551 (1-360, translated) 120 residues
 MSVCEAHNPE NYSTGGGNII GGVVSPTLAA SEGWQVVDPL GLRIVLNNYW ERWQKPLFIV
 ENGLGAKDVL IDGPSGPTVN DDYRIKYLLD GSGILKRYK KKSFDWCRDI IATNGESLES

> RXA02556 (1-1158, translated) 386 residues
 LIVSTQPI TD RSALSAEHAE VIKATLPLVG GKINEITPVF YNKMFAAHPE LIANTFNNGN
 QKQGDQKAL AASIATFATM LVTPDAPDPV QLLSRIGHKH VSLGITADQY DIVHEHLFAA
 IVEVLGAETV TAPVAEAWDA VYWIMANVLI GFENNLYASN DLEPGDVFRE VTVTAKKQLS
 ATVWEYTLAG ELVAPEPGQY TSIGVVLLDDG ARQLRQYSLG GGSDEYRIA VEDNGEVSGF
 LRDRVSVGDK IEATIAAGDL VLNKDTNPVV LISQGIGSTP MVGMLAGMNP ERDVVVLHAD
 QAESTYAQVE EVQGLVEKLP KAAFEIFYRD NDQWLEVAGR IPGASVYLC GGVEFLKNVR
 EQIEALDEQP RDVNFELFAP NDWLIS

> RXA02560 (1-822, translated) 274 residues
 MQGNSLNLAD NSERKKPMPS PGELLAARYG QPATWTTPQW NETLDVIHQH RSVRRWLDKP
 VDDDTIRTII SAAQSAGTSS NKQVISVIVV KDPELRKGLA GITRQMFPHL EQVPAVLIWL
 IDYSRISAVA AREDLPTGAL DYLDAAWGF LDAGIAAQA AIAAESLGLG TLYLGSVRND
 AEAVHKLGLL PPEIVPVVGL EMGHADPPEP AGIKPPLPQE AIVHWDTYPE KNLELIDSYD
 RALDTYYSTRY GQHQLWSKQT AHRAASKRCY KNQE

> RXA02572 (1-645, translated) 215 residues
 AVAEICEPTG ADAVALVDAL GHDDRIGRKF LGAGLGFGGG CLPKDIRAFM ARAGELGADQ
 ALTFLREVDS INMRRRDRVV QLAKEMCGGS LLGKRVTVLG AAFKPNSDDV RDSPALSVAG
 SLSLQGAASV VYDPEAMDNA RRVFPTLSYA SSTKEALIDA HLVVLATEWQ EFRDLDEVA
 GGVVEKRAII DGRNVLDVAK WKAAGWEMEA LGRNL

> RXA02596 (1-489, translated) 163 residues
 PVVYTGPLDL YFNIAEGKLG WRTLDFETEV VETGDFQGT VMNYNDADVP FTRIHEFRHF
 HPERDDSYPK DKTVMREFS RFADNEDEPY YPINTPDDR MLKQYRLLA EEAANNKVL
 GGRLGTQYL DMHMAIGSAL SMFDNKLVPF FEEGTPLEQE RGH

> RXA02611 (1-1752, translated) 584 residues
 DAWSDPMATW RHAITTKIEA GQGSDELYND FEHGAQLFER AAENLSKEDR TALFDVASSL
 RRGDVRARL APALTASVTH LLELNPLREL VTMGLENQVR VERRAALVNS WYELFPRSTG
 GWDESGTPVH GTFATTAQAL ERVAKMGFDT VYFPIHPIG EVNRKGRNNT LTPEPHDVGS
 PWAIGSKDGG HDATHPRLGT IEDFQALLAR ARELNLEVAL DLALQAAPDH PWAQEHREFF
 TVLADGTIAY AENPPKKYQD IYPINFNDNA PKIYEEVYRV VKFWVDLGVT TFRVDNPHTK
 PANFWQWLIS AIHKSNEVI FLAEASTRPA RLYFLSKIGF SQSYTYFTWK VTNEELTEFA
 TEIAPMADIS RPNLFVNTPD ILHASLQHGG RAMFAIRAAL AATMSPVWGV YSGYELFEHE
 AVKPGSEEYL DSEKYELRPR DFEGALERGD SLEDYIALLN QIRANPALQ QLRNIHFHEA
 DNDQIIAYSK VDALTGNTVL IVVNLDPRA REATVRLDLG ALGLEAGAQF EVRDAITGSR
 YLWSETNFVR LEPLRDVAHI FVLPELPASR RERLAWREIK TYRA

> RXA02612 (1-2193, translated) 731 residues
 MTVPDASHIT IPEADLARLR HCNHHDHPGF YGWHETEAGS VIRTRQVGAT QVNLLIDDT
 HVMTPIGDDI FAIDLGHREY ADYRLEVTWP DQEPQVKADP YYFLPTVGEM DIYLFSEGRH
 ERLWEILGAN IKTYQTALGT VRGTAFTVWA PNAIGCAVVG GFNGWNASQH PMRSMGSGSL
 WELFIPGIEE GEVYKFAVQT REGQRRDKAD PMARRAELAP ATGSIVASSE YQWQDSEWLR
 ERSQTDLASK PMSVYEVHLG SWRWGKNYED LATELVYVA DLGYTHVEFL PVAEHPFGGS
 WGYQVTGYA PTSRWGTPDQ FRALVDAFHA RGIGVIMDWV PAHFPPKDDWA LARFDGEALY
 EHPDWRREGE KDWGTLVDF GRNEVRNFLV ANALYWIEEF HIDGLRVDV ASMLYLDYSR
 EHGEWEPNIY GGRENLEAVQ FLQEMNATVL RLHPGALTIA EESTSWPGVT APTWDGGLGF
 SLKWNMGWMH DTLEYFSKNP VHRAFHSEL TFSLVYAFSE RFVLPISHDE VVHGKGSWLD
 RMPGDTWNKA AGLRTFLAYM WSHPGKKLLF MGQEFQREE WAEGQGLPWD IDGWQGEYH
 EAIRTLTRSL NGVYSDSPAL HTQDFTGEGF TWNKGDATN NILAFTREFS DGSQMLCVFN
 LSGTSQPEYQ LGVAAGGEWK LVLNTDDAEF LGAENDIATS VQAAATPRDN FAYSLSLHVP
 AMSAQFYSLQ K

> RXA02621 (1-819, translated) 273 residues
 MSELICPAI LFAPAGRAEI IPKAASKADM VIIDLEDGAG EVDREVAYRN IRESGLDPKR

TIVRTVGPSP PHFLADVEMV KSTDFTLVMV PKLLGSVPPE LDGLNIIAMI ETPQAATSIP
 QIAADPKVVG MFWGAEDLTH LLGGTHSRFL GDESNEGSYR DTMRLTRALM HLHAAANGKF
 TIDAIHADFH DEEGLYLEAV DAARTGFAGT ACIHPKQIEI VRRAYRPEAN QLEWAKKVVE
 EAENHPGAFK LDGQMIDAPL ISQARMVISR QPA

> RXA02640 (1-1527, translated) 509 residues

MRISKANAYV AAIDQGTST RCIFIDAQ GK VVSSASKEHR QIFPQQGWVE HDPEEIWDNI
 RSVVSQAMVS IDITPHEVAS LGVTNQRETT VVWDKHTGEP VYNAIVWQDT RTSDICLEIA
 GEEGQEKWLD RTGLLINSYP SGPKIKWILD NVEGARERAE KGDLLFGTMD TWVLWNLTGG
 VRGDDGDDAI HVTDTVNASR TLLMDLRTQQ WDPCLCEALD IPMSMLPEIR PSVGEFRSVR
 HRGTLADVPI TGVLGQQAA LFGQGGFHEG AAKNTYGTGL FLLMNTGTSL KISEHGLLST
 IAYQREGSAP VYALEGSVSM GGSLLVQWLRD NLQLIPNAPA IENLAREVED NGGVHVVPAPF
 TGLFAPRWRP DARGVITGLT RFANRKHIAV AVLEANAFTQ REVVDAMAKD AGKALESRLV
 DGAMVENDLL MQMQADFLGI DVQRLEDVET TAVGVAFAG LGSGFFKTTD EIEKLIIVKK
 VWNPDMSSEE RERRYAEWNR AVEHSYDQA

> RXA02642 (1-498, translated) 166 residues

MTESKNYDLI VVGSGLFGLT VAERAASQLG KKVLIIVERRS HLGGNAYSEA EPETGIEIHK
 YGAHLFHTSN TRVWEYVNQF TSFTGYQHRV FAMHNGTAYQ FPMGLGLINQ FFGKYISPDE
 ARELIKEQSA EIDSSDATNL EEKAISLIGR PLYEAFIRDY TAKQWQ

> RXA02654 (1-885, translated) 295 residues

MISLLNDPRT LFPKVDPPKQ SQPEPGLDIK LSPQADIGLS SYQSGSRLKG RKALITGGDS
 GIGAAVAIAY AREGADVIA YLPEEQADAD RVLQAIEETG QKAFFSPGDL RDPEYCRSLV
 QETVNALGGL DILVNNASRQ VWAPGLTEIT DENFDQTLQV NLYGSFRVTK AAIPHLKPGS
 SIIFTSSIQA YQPSETLLDY AMTKAALNNL SKGLASSLIG DGIRVNSVAP GPFWTPLQPS
 HGQPQEKIEG FGQHAPIGRA GHPVELAGAY VFLASDEASY VVGETLGVGT GTPTP

> RXA02666 (1-768, translated) 256 residues

MSSTRIPVIA LLAAAGRGTR LGGPIPKAFV TLRERTLLER SLQAMLTSES VDEIILVSP
 DMETYARDLL RKRGLNDPE GVRVRLVHGG GERADSVWAG LQAISLDDAT PDAIVLIHDS
 ARALTPPGMI ARVVRKVHEG ATAVIPVLPV SDTIKRVSPD GGVVVDTPNR AELRAVQTPQ
 GFLLSELVAA NEKFFADPNP GFIPDDASL MEWYGADVVC VQGDPMFVKV TTPIDMMLAQ
 RITDEAEPTI FEVPGD

> RXA02675 (1-363, translated) 121 residues

ILMTGMRHEN FGIMIARGDL AVELGFDRMA EVPQLIMALA EAAHVPTILA TQVLENMAKN
 GLPSRAEITD AAMALRAECV MLNKGPHIND AIKVLTEMSR KLGASQRKSR LLLRKVKSW
 E

> RXA02694 (1-942, translated) 314 residues

MKETVGNKIV LIGAGDVGVA YAYALINQGM ADHLAIIDID EKKLEGNVMD LNHGVVWADS
 RTRVTKGTYA DCEDAAMVVI CAGAAQKPGE TRLQLVDKNV KIMKSIVGDV MDSGFDGIFL
 VASNVDILT YAVWKFSGLE WNRVIGSGTV LDSARFRYML GELYEVAPSS VHAYIIGEHEG
 DTELPVLSSA TIAGVSLSRM LDKDPELEGR LEKIFEDTRD AAYHIIDAKG STSYGIGMGL
 ARITRAILQN QDVAVPVSAL LHGEYGEEDI YIGTPAVVNR RGIRRVVELE ITDHEMERFK
 HSANTLREIQ KQFF

> RXA02695 (1-1422, translated) 474 residues

MNEFDQDILQ EIKTELDELI LELDEVTQTH SEAIGQVSPT HYVGARNLMH YAHLRTKDLR
 GLQORLSSVG ATRLTTTEPA VQARLKAARN VIGAFAGEGP LYPPSDVVDA FEDADEILDE
 HAEILLGEPL PDTPSCIMVT LPTEAATDIE LVRGFAKSGM NLARINCAHD DETVWKQ MID
 NVHTVAEEVG REIRVSMDLA GPKVRTGEIA PGAEVGRARV TRDETGKVL TPAKLWITAHG
 SEPVPAPESL PGRPALPIEV TPEWFDKLEI GSVINVPDTR GSRAFTVTR VFDGAVLAEG
 PQKAYISNGT LLEHNYDRSR VYGIPAVVQR INLKVGDRLI LTDEELTYDP SLGSGRTPRI
 SCTLPPQAVDA IKVGHVRLFD DGAIAAVCID KTSTADGHND VELEVTHARP QGVNLAAYKG
 INLPDSELPL PSLTEEDLQH LRFVVKYADI AAISFIRNVA DVEYLLQALA DIGD

> RXA02729 (1-744, translated) 248 residues

MDSPMSNSTG TDIVVVGSI ADLTAKVQRH PEPGETLLGS GGTVSAGGKG ANQAVAAAQL
 GAKVTMIGAV GTDQMAGEAL THLRQSGADM SAIATVDGPT GLAIITVSDD GENTIIVIPG
 ANASVTAEFV DKHSQLIENA GIVLLQGEIP ADGFERAVDL SQGRVVINLA PVVPVGHDLQ
 RRADPLLNE HEGALVLDML GTPATTSBPQ SLVTELLEQG FTSVVMTLGA EGALVGTPGQ
 LTAIPTPK

> RXA02730 (1-1038, translated) 346 residues

MATEKFRPTL KDVARQAGVS IATASRALAD NPAVAASTRE RIQQLASDLG YRANAQARAL
 RSSRSNTIGV IVPSLINHYF AAMVTEIQST ASKAGLATII TNSNEDATTM SGSLEFLTSH
 GVDGIICVPN EECANQLEDL QKQGMPPVVLV DRELPGDSTI PTATSNPQPG IAAAVELLAH
 NNALPIGYLS GPMDTSTGRE RLEDFKAACA NSKIGEQLVF LGGYEQSVGF EGATKLLDQG
 AKTLFAGDSM MTIGVIEACH KAGLVIGKDV SVIGFDTHPL FALQPHPLTV IDQNEQLAQ
 RAVSILTELI AGTVPSVTKT TIPTALIHRE SIINSTLRKK DGLPNE

> RXA02737 (1-1542, translated) 514 residues

VSTNTTPSSW TNPLRDPQDK RLPRIAGPSG MVIFGVTGDL ARKKLLPAIY DLANRGLLPP
 GFSLVGYGRR EWSKEDFEKY VRDAASAGAR TEFRENVWER LAEGMEFVRG NFDDDAAFDN
 LAATLKRIDK TRGTAGNWAY YLSIPPDSFT AVCHQLERSG MAESTEEAWR RVIIIEKPFHG
 NLESAHELNQ LVNAVFPESS VFRIDHYLGK ETVQNILALR FANQLFEPLW NSNYVDHVQI
 TMAEDIGLGG RAGYYDGIGA ARDVIQNHIL QLLALVAMEE PISFVPAQLQ AEKIKVLSAT
 KPCYPLDKTS ARGQYAGWQ GSELVKGLRE EDGFNPESTT ETFAACTLEI TSRRWAGVPF
 YLRTGKRLGR RVTEIAVVFK DAPHQPFDDG MTVSLGQNAI VIRVQPDEGV LIRFGSKVPG
 SAMEVRDVNM DFSYSESFTE ESPEAYERLI LDALLDESSL FPTNEEVELS WKILDPIELA
 WDADGEPEDY PAGTWGPKSA DEMLSRNGHT WRRP

> RXA02738 (1-1080, translated) 360 residues

MSHIDDLAQL GTSTWLDDLS RERITSGNLS QVIEEKSVVG VTTNPAIFAA AMSKGDSYDA
 QIAELKAAGA SVDQAVYAMS IDDVNRACDL FTGIFESSNG YDGRVSIEVD PRISADRDAT
 LAQAKELWAK VDRPNVMIKI PATPGSLPAI TDALAEGISV NVTLIFSAR YREVIAAFIE
 GIKQAAANGH DVSKIHSVAS FFVSRVDVEI DKRLEAIGSD EALALRGKAG VANAQRAYAV
 YKELFDAEL PEGANTQRLP WASTGVKNPA YAATLYVSEL AGPNTVNTMP EGTIDAVLEQ
 GNLHGDTLSN SAAEADAVFS QLEALGVDLA DVFQVLETEG VDKFVASWSE LLESMEARLK

> RXA02739 (1-2100, translated) 700 residues

LTTTLTSPSEL QALTVRNYPN DWSVDVTKAV DTVRVLAADA VENCSGSGHPG TAMSLAPLAY
 TLYQVRMNVD PQDTNWAGR DFLVSCGHSS LTQYIQLYLG GFGLEMDDLK ALRTWDSLTP
 GHPEYRHTKG VEITTGPLGQ GLASAVGMAM AARRERGLFD PTAAEGESPF DHHIYVIASD
 GDLQEGVTSE ASSIAGTQQL GNLIWFDDN RISIEDNTEI AFNEDVVARY KAYGWQTIEV
 EAGEDVAAIE AAVAEAKKDT KRPTFIRVRT IIGFPAPMTM NTGAVHGAAL GAAEVAATKT
 ELGFDPEAHF AIDDEVIAHT RSLAERAAQK KAAWQVKFDE WAAANPENKA LFDRLNSREL
 PAGYADELPT WDADEKGVAT RKASEAALQA LGKTLPELWG GSADLAGSNN TVIKGSPSFG
 PESISTETWS AEPYGRNLHF GIREHAMGSI LNGISLHGGT RPYGGTFLIF SDYMRPAVRL
 AALMETDAYY VWTHDSIGLG EDGPTHQPV TLAALRAIPG LSVLRPADAN ETAQAWAAAL
 EYKEGPKGLA LTRQNVPLV GTKEKAAEGV RRGYVVLVEG SKETPDVILM GSGSEVQLAV
 NAAKALEAEG VAARVVSVPK MDWFQEQDAE YIESVLPAAV TARVSVEAGI AMPWYRFLGT
 QGRAVSLEHF GASADYQTLF EKFGITTDV VAAAKDSING

> RXA02740 (1-930, translated) 310 residues

LDTIKAYIAL TKPRVIELLL VATIPTMLQA ERGENNIVLI LLTVFGGWMG AAAANTFNMV
 ADSDIDQRMG RTRARPLVRH TVSNRDASIF AWVLTVASFL WLWLLCDSML AGIFVLITIF
 FYIFVYTKWL KRRTHMNIVW GGAAGCMPVL VGWAVIVDQF EPGVPQQWWQ AIVLFMVIFF
 WTPPHTWALA MKYREDYKAA GVPMLPVVRT PVQVTAQIVW YSVATVLTTF LLIPATGWIY
 AAIAVISGVT FLFMAIKLHL GIKNGGKVKP LKLFILSNY LAVLFVALSV DAVLGLETIG
 EMLGWTTTTF

> RXA02741 (1-966, translated) 322 residues

MKAILVSRTG GPEVLEFDT DAPKPTDDQV LVEVDMAGVN FIDTYRQGE YHARLPFIPG
 FEGTGRVLED PQGLIAAGTK VAWCDAMGSY AQQVCVPRDR LVAVPEGVSS EVAASMLMQG
 ITAHYLTNGV YELEEGDSCL ITAGAGGVGL LATQMAAAKG VRVYSVSTD EKAELALDAG
 AYEVEFRYSDN LAEQVRRHNG GRGVDVYDQ VGQSTFNESL EAVRPRGTVC LFGAASGPVE

PFDPQLLNTH GSIFLTRPSI GAWTSEEGER AKRAQAVTQA IVEGTLRVRV TGTYSLADAY
IAHRDLQARS TSGSLVLEIP KD

> RXA02743 (1-1038, translated) 346 residues
VSTSDAPSNN PVELKPITFW APTIKVQRIL ALLLLIFQGG ITVTGSIVRV TGSGLGCDTW
PLCHEGSLVP VAGAAPWIHQ AVEFGNRMLT FVLAAAALAL FIAVLGAKRR REILVHSFIQ
GLGIILQAVI GGITVLVDLH WYAVALHFLP SMILVFMAAI LYTRIGEPDD GEITTTFTPTW
IRNVAVIGAV ALSVVLITGT MTTGAGVHSG DASITMDDRL DVSIDLMAHI HGYSMYIYLF
FTLIVVAGLY KAKTTKHNKQ LGLMLILFIL IQAGIGILQY RMGVPWRSIP FHIAMSSVVV
AFTSLLWAQG RIRVGGKATV TGSVDGDIKN EIITNPFEEK SKQPVK

> RXA02797 (1-903, translated) 301 residues
MNNRIVVVGS INADLNVLVD RHPAPGETLL GSGGHITAGG KGANQAVAAA LQGADVAFVG
AVGKDPYAAP ALEFLRSSGV DLTAVSEVDD TTGLAVITVA KDGENNIVVI PGANSLVNCD
YVSSQSALLA EAGILLQGE IPADGFKEAI HHTMGRVVVN LAPVIEVEKS ALLEADPIIA
NEHEAGLILD QFGAGIDSMD PHELAQALLD AGFASVVLTL GSAGALVADA TGITDIATPT
VQAVDTTGAG DAFAGAFCAR LIKGD SLIDA ATHAARVGAY SVQTAGAQAS YPDASVSLPS
V

> RXA02803 (1-399, translated) 133 residues
SGEMLAAALS AGMASQGV DV IRVGVIPTPA VAFLLTDDYGA DMGVMISASH NMPDNGIKF
FSAGGHKLPD HVEDEIERVM DSLPAEGPTG HGVGRVIEEA TDAQDRYLEH LKEAVPTSLE
GIKIVVDAAN GAA

> RXA02807 (1-465, translated) 155 residues
MAHSYAEQLI DTLEAQGVKR IYGLVGDSL N PIVDAVRQSD IEWVHVRNEE AAFAAGAES
LITGELAVCA ASCGPGNTHL IQGLYDSHRN GAKVLAIASH IPSAQIGSTF FQETHPEILF
KECSGYCEMV NGGEQGERIL HHAIQSTMAG KGVSV

> RXA02821 (1-180, translated) 60 residues
VGYG IATIGP GLGIGILVGK ALEGMARQPE MAGQLRTTME LGIAFVEALA LIGLVAGFLF

> RXA02829 (1-276, translated) 92 residues
MQKNILKSGI EISELGLGCM SLGTDYKKAQ PIIESAIDNG ITYFDTADIY DQGVNEEIVG
KALKKYQNRD DIVIGTKVGN RLTDDGHMTW GS

> RXA02852 (1-279, translated) 93 residues
VAVSDFSTDL PNQIREWVPG DYTVLGADGF GFS DTRPAAR RFFNIDAESI VVAVLNSLAR
EGKIDVSVAA QAAEKFKLDD PTSVSVD PNA PEE

> RXA02853 (1-1407, translated) 469 residues
MAKRIVIIIG GPAGYEAALA GAKYGAETV IEDVGVGGS VTMDCVPSKS FIAGTGIKTD
LRRADD MGLN RGLGKAHLEI DALNIRVKDL AKAQSEDILG QLQRSDVRMI NGVGRFDDYN
TKQTTHYIKV THSDGSEETV ECDLVLVATG ATPRILKGAE PDGERILTWR QVDIEELPT
HLIVVSGVT GAEFVSAFAE LGVKVTMVAS RDRILPHDDA DAADVLETVL AERGVSLKHX
ARVESVTRTE DGGVCVRTAD GREIYGSHAL MTVGSIPNTA DLGLENIGVE LAPSGHIKVD
XVSRTNIPGV YAAGDCTDLF PLASVAAMQG RIAMYHALGE GVSPIRLKT V ATAVFTRPEI
AAVGITHAQV DSGEVSARVI VLPLATNPRA KMRSLRHGFV KLFCCRNSGL IIGGVVVAPT
ASELILPIAV AVTNRLTVAD LADTFAYVPS LSGSITEAAR QLVQHDDL G

> RXA02854 (1-1584, translated) 528 residues
MDESRLSFG TAGLRAPVGP ARHQMNVLQV TRTTAGVASW LAERAALNPV PHLVPEDET G
IGRALYPQDG PLRVVVG YDA RYGSHTFAAT TAEVFAGAGF EVTLLPTPSP TPLIPWLVNK
HGLDAGVQIT ASHNGAADNG YKVFLSNGRQ LYSELEPELE AHINAVEDPI RVPRVTVRPT
ADQLRRYVDE MVSLVTPDQA DLLRVNSERG NLRVVYTALH GVGGRAMANA FQFAGFPHTH
GVKAQQYPDF TFPTVAFPNP EEP SAIELL ERAKEKNADI LFALDPADR CAVGIRTADG
GHRMLSGDEV GTLLATRLVP EYSGEGPRPV VATTVVSSQL LGIIAEDKGW DYSETLTGFK
NLSRAADGLD GPLAFAYEEA VGTCVPD VV PDKDGISTAL FMASWAAELK AQGASLQQKL
NELYRRYGYF ASSQIAV RVS SPRELVDHWI AHPQQELIGV SVTPHILPEK QGIALHGQVG

HVHIRAIGRV SGTEAKAKLY LEVGQASSHD EAAQLLHQLE DEVQSWLS

> RXA02872 (1-672, translated) 224 residues
AREAWRIFMS HWDLYAGTAT GYWVEQEFEH VFGINAERLN VGTPEHADAI FDELTDLAK
PDFRPRALAE QFNLEVLATT DDPLDDLADH KALADDPFSS PRVLPTFRPD AYTKMYNAGW
AEKTTKLIDT AGDGKAGWEG YLQAMRNRQ YFINHGATSA DHGLHDTDTT PLSHKDAQKI
LDKGLAGTAT LAEMHAFEAN TTYRFAEMSQ EDGLVMTIHP GVYR

> RXA02873 (1-510, translated) 170 residues
FGENKDLISD SSFNRWLRTV SLGSTQDADM AAASNLAANS KMARQNTRDI LDAVSDGGVM
LGRNGALVLG PVVGTLHIKF IAPLNKRVER VMYKTGLSEA AAAEQCALED RLREEMAHAL
YQWNPGRDEN YDLVINTGSM TYEQIVDLVV ETYARKYPLH VRIIPNGKDQ

> RXA02887 (1-408, translated) 136 residues
MADQAKLGSK PSDDSNFAMI RDGVASYLND SDPEETNEWM DSLDGLLQES SPERARYLML
RLLERASAKR VSLPPMTSTD YVNTIPTSM EPEFPGDEEME KRYRRWIRWN AAIMVHRAQR
PGIGVGGHIS TYAGAA

> RXA02897 (1-1287, translated) 429 residues
DLDGFRQEVs REQGGIPSYP HPHGMKDFWE FPTVSMGLGP MDAIYQARFN RYLENRGIKD
TSDQHVAFL GDGEMDEPES RGLIQQAALN NLDNLTFVVN CNLQRLDGPV RGNTKIIQEL
ESFFRGAGWS VIKVWGWREW DELLEKDQDG ALVEIMNNTS DG DYQTFKAN DGAYVREHFF
GRDPRATAKV ENMTDEEIKW LPRGGHDYRK VYAAKYRALE TKDRPTVILA HTIKGYGLGH
NFEGRNATHQ MKKLTLDLKL LFRDKQGIPI TDEQLEKDPY LPPYYHPGED APEIKYMKER
RAALGGYLPE RRENYDPIQV PPLDKLRSVR KGSGKQOIAT TMATVRTFKE LMRDKGLADR
LVPIIPDEAR TFGLD SWFPT LKIYNPHGQN YVPVDHDLML SYREAPEGQI LHEGINEAGS
VASFIAAGT

> RXA02902 (1-672, translated) 224 residues
LASDLGIKFV AVVDKDLTA EK FATGLGAA GDSSESSVKA HGSLPALFSK KKIDVLHITT
PHDQHIGLAL EALHHGVNVI LEKPLANELD QAQRLIDYLD ENPDGPKIAV CYQNRYNVSS
QELRRLDLSG DLGAINGAYS SVVWTRTPGY YTQKPWRGQQ AHSGGGLLMN QAIHTLDLLQ
WFLGKATEVK GTVSTD KYAD VIDVEDTAHA YIGHESGVHT SEVS

>RXN00013 TRANSLATE of: rxn00013.seq check: 4426 from: 1 to: 873
MEGMTNPEQTHPAASLEDMIKTITKTFVIAHQDSDEHLAQALVYNAGRLAWRMRENGVD
TDYKTSVSDVVTADRAAEAFVAGVLEALRPEDGVLGEEGADRASKSGKTWVIDPVDGTY
NFTQGS DYWCSALALVEGDPSAPSRVLF GAVHRPAMGYTWFGGPGIRTTLTGKELDLLVD
APLNQISLATYIHPSRIAEPDIQKAWMSVATHPATLRMFAGSIDLANIADGSMGAWVQH
SVADWDWLPGRALIEGVGGACIKVTAGGVEVSVAGNAEAVSEISETLSALD

>RXN00014 TRANSLATE of: rxn00014.seq check: 1159 from: 1 to: 780
MSKYADDLALALELAELADSITLDRFEASDLEVSSKPDMPVSDADLATEEALREKIATA
RPADSILGEEFGGDVEFSGRQWIIDPIDGTKNYVRGVPVWATLIALLDNGKPVAGVISAP
ALARRWASEGAGAWRTFNGSSPRKLSVSQVSKLDDASLSFSSLSGWAERDLRDQFVSLT
DTTWRLRGYGDFFSYCLVAEGAVDIAAEPEVSLWDLAPLSILVTEAGGKFTSLAGVDGPH
GGDAVATNGILHDETLDRLK

>RXN00043 TRANSLATE of: rxn00043.seq check: 5115 from: 1 to: 1164
MAEVVHYQENAGQAVKKIEGRIVTPHGVIDGFLQLENGIITELSGEPAPKNAGFHPPELPT
IVPSFIDLHNHGGNGGAFPTGTQDQARNAAQYHREHGTTVMLASMSAPADALAAQVENL
IPLCEEGLLCGIHLEGPFINACRCGAQNPDFIFPGNPTDLAQVIHAGKGWIKSITVAPET
DNLTELLDLCAAHIIASFGHTDADFDTTSAIALAKEKNVTVTATHLFNAMPPHHRDP
GSVGALLAAARAGDAYVELIADGVHLADGTVDLARSNNAFFITDAMEAAGMPDGEYILGV
LNVTVTDGVARLRDGGAIAGGTSTLASQFVHHVRRGMTLIDATLHTSTVAAKILGLSDHE
IVKSNPVNFVVFDSNGQLQQVHLDHQVI

>RXN00148 TRANSLATE of: rxn00148.seq check: 5482 from: 1 to: 2211
MTSIPNFSIDIPLTAETRASESHNVDAKGWNTPEGIDVKRVFTQADRDEAQAAGHPVDSL
PGQKPFMRGPYPTMYTNQPWTIRQYAGFSTAESAFAFYRRNLAAGQKGLSVAFDLATHRG

YDSDNERVVGVDGMAGVAIDSI LDMRQLFDGIDLSSVSVSMTMNGAVLPILAFYIVAAEE
 QGVGPEQLAGTIQNDILKEFMVRNTYIYPPKPSMRIISNIFEYTS LKMPRFNSISISGYH
 IQEAGATADLELAYTLADGIEYIRAGKEVGLDVKFAPRLSFFWGISMYTFMEIAKLKLAG
 RLLWSELVAKFDPKNAKSQSLRTHSQTSGWSLTAQDVYNNVARTAEAMAATQGHQTSLH
 TNALDEALALPTDFSARIARNTQLLLQQESGTVRPVDPWAGSYVVEWLTNELANRARKHI
 DEVEEAGGMAQATAQGIPKLRIEESAARTQARIDSGRQALIGVNRYVAEEDEEIEVLKVD
 NTKVRAEQ LAKLAQLKAERNDAEVKAALDALTAARNEHKEPGDLQNL LKLAVDAAKAK
 ATIGEISDALEVVFGRHEAEIRTL SGVYKDEVGKEGTVSNVERAIALADAFEAEEGRRPR
 IFIAKMGQDGHDRGQKVVASAYADLGMDVDVGPLFQTPAEAAARAADADVHVVGMSLAA
 GHLLTLPELKKELAALGRDDILVTVGVI PPGDFQDL YDMGAAAIYPSGTVIAESAIDL I
 TRLAHLGFDLDVDVNE

>RXN00200 TRANSLATE of: rxn00200.seq check: 5263 from: 1 to: 3438
 MRQVGNGGHQLDSINVSDVVESKKLKGS AQEPPQVAPGWLKKLAISSG LLGLLMFVLLP
 FLPVNQVQSSLSWPQNGELSSVNAPLISYAPQSM DASIPVSALDS LNDNQSLVMGTLPLD
 STDATNRGLFVRTIDGNLDVIVRGEVLLDLSPT EVNRLPDDAILEISSTEETTS AEITGT
 AFSGETEGDERPQVTGVYTELVDDPSTASALASAGLNVDIEINSRFTSSPSLLKYAAIFI
 GLASVLVSLWTLHRMDILDGRKAHRFLPANWYK LKPLDGVVVAILVFWHFLGANTSDDGF
 IMTMARVSQNADYMANYYRWFVGPESPF GAPIYDLLALMAYISTSSIWLRLPALLAGLIM
 WFITREVMPRFGSLVNGRRVAHWSAAMVFLA FWL PYNNGTRPEPIIAMGALLAWVSFER
 AIATSRLLPAAIGVIIATISLASGPTGLMAVAALLVSLSALIRILYRRLPLIGASRGASK
 SKVFGASMAMLAPFLASGTAILIAVFGDQTLSTVMESISVRS AKGPALTWYHEYVRYQTV
 MEQTVDG SFTRRFVAVLMLMACLAIVVIAILRYGRIPGA AKGPSRLMMVIFGTMFFMMFT
 PTKWTHHFGVYAGLAGALAGLAAVGLSYVAVKSPRMRTISIGAF LFLALALAGVNGFWY
 TSSYAVPWWDKTIQIKGIEASTVVLVIAVIVLIIGV IQSFVHDVKTAQAETNHSMGELVA
 EDEAKRERASRFTGLAASPIAGVSALVVLITCASMGKG FVDQYPAYSVGLGNLRS LTGTNT
 CGLASDAMLETNSNDSFLT PNVNSTLGESLESEDIRGFS AAGIPPSISQDQADLSAVGAIA
 NTDDSTETGGSDSSGQSTGNTGGVRGSEGINGSNARLPFNLDY TQVPVVGWSAGTQNP
 ANIITDWEIPEATEEAPIIVVSAAGRIEHYDINGVRQSGQSV MLEYGRLRDNQDVEDLG
 EAMMYDIGPEPSWRNLRYPLDQLPEEADVVRIVATDVNLDE DQWVALTFPRVFNLD SLNN
 VIGSETPGLLDWAVGLQFP CQRTFDHYAGVTEIPEYRISPDHGGKSTLS PFQDWAGGGSM
 GTAEAVNNAYEIPSYLRNDWGRDWGSIERYSLRTNSNGDAPKVADINLETIQRSGLWNP G
 HMKVDE

>RXN00231 TRANSLATE of: rxn00231.seq check: 1223 from: 1 to: 1470
 MTINV FELLVKSP TGLLIGDSWVEASDGGTFDVENPATGETIATLASATSE DALAALDAA
 CAVQAEWARMPARERSN I LRRGFELVAERAE EFATLMTLEM GKPIAEARGEV TYGNEFLR
 WFSEEAVRLYGRYGTTP EGNLRLMTALKPVGPCLLITPWNF PLAMATRKVAPAIAAGCVM
 VLKPARLTPLTSQYFAQTMLDAGLPAGVLNVVSGASASAI SNPIMEDDR LRKVSFTGSTP
 VGQQLLKKAADKVLRTSMELG GNAPFIVFEDADL DLAIEGAMGAKMRNIG EACTAANRFL
 VHESVADEFGRRF AARLEE QVLGNGLDEGVTVG PLVEEKARDSVASLVDA AVEGATVLT
 GKGAGTGAGYFYEPTVLTGVSTDAAILNEE IFGPVAPIVTFQTEEEALRLANSTEYGLAS
 YVFTQDTSRIFRVSDGLEFGLVG VNSGVISNAAAPFGGVKQSGMGREGGLEGIEEYTSVQ
 YIGIRDPYAG

>RXN00296 TRANSLATE of: rxn00296.seq check: 2905 from: 1 to: 2844
 MTHTIKFNRLDPEVFSQHSRAKLRTDMTTRAA YSSDAGIFRRVPA AVEPENVEQIRDAI
 AVAVARGWSVVGRGGGSSVAGNAIGEGLIIDTSRYFNRI LDIDPVAQTAVVEPGVCDAL
 RDAAEFGLTYGPD PSTHSRCTIGGMVANNACGSHSVAFGTAAENLVDVTLMLSDGREVT
 VTKDGCDDAEINQKLTDLASKNQDLISKELGRFP RQVSGYGLHYLAHDMAKAMAGTEGTI
 GIITRLTVKLVPTPKVKALAVLAFD TVFDAARAAAKLRLPGVATIEGMGGDLLAALRSKQ
 GQSEAGQNLPGNRIGIEAGGWLYCETGSDTLQA AVQAAEEVATAVDTIDYVVVSEPSEMR
 ELWRIRESSAGIVSTR LADGGEAWPNWEDSAVPPENLADYLRDL YALMDKFDYQGIPIFGHF
 GEGCVHVRISFDFSTKEGLKKFEAFMNEASTLVASYGGSLSGEHGDGRARSSF LDRMYS
 EMRALFEFEFKLIFDPQRI FNPGLVWADPVMQGLRMDPGQ RALDITPVHKFSKDKGSMIN
 AVNRCVGVSA CRSESDAMCPSFQITGDEVHSTRGRARLLSE MFRGESIADGYRSEEVNEA
 LDLCLSC KACASECPVNVDMSTYKAEFLDKHYAGRLRPM AHYVMGWLP LLGHVAHKIPLL
 PTLIDATMQSALTAPVVRKVGG LADRPLISFAHRSLRKYKPKKNSGETVVLWPD SFNTNL
 DTGPAHAAIKTLEALGYNVV I PDGFVCCGLTWHSTGQLSMTKKVLEQTAKVMKPYLDQGL
 TVVGLEPSCTVMLQDEATELS DNPDLARLAALTKPFAEVIAPKITELVESGSLQLTESTA
 LTQVHCHERSLGDPQQSALVLEALGVKDEQIATGCCGLAGN WGFEDHAEMSFALGEREL

FPKVRKAEGHVIADGFSCRTQIEQGTGKQATHLAEVVLSILEQNNMAQ

>RXN00310 TRANSLATE of: rxn00310.seq check: 2380 from: 1 to: 435
MSDKIWKVGIIGCGAISRNHIEAVQAIPGAEVSAVCDVDGAKASETAAKYGISPSFTSVD
EILASGVDIVAVCTPHPTHTVVLAAAAAGVHVLCEKPIAIELDSAQRMIDACESAGVQL
GVLFQRRFWPAAQKMKKEPSWANAR

>RXN00316 TRANSLATE of: rxn00316.seq check: 4820 from: 1 to: 1146
MGQCTVALYREHSYYTATPWRTWAADGGGVLMQTQAIHYIDLWLLGEPVEVFGYTNSF
KHGDNIEVEDSAVATVRFESGALATISATTAAEPALGAQVQVMGTGKATMTILEFPEGTD
GRLIVRSENDTRRNHPIPPRGSLSQCRSFHHQRCFDPVSHRPDRRLYRCAQRRPPTTDHR
PRCHQSSSESPWCLRISSHPPAGLFDLTEAFKTSRQIGLAPLSSLSTPPDQLVRLAAATG
FSFVGLRVIAVTPNERVYDLSPGSPLLAATQQALKETALYVLDTEFLQVNADTTREAWLP
ALEAAGALGAKTFTIAAGDDNIAPLTDITIGAMVDDARDFGVTPALEPISYRSVHSIPQAA
AIARDSGGKVADTLHMARFGA

>RXN00317 TRANSLATE of: rxn00317.seq check: 4403 from: 1 to: 654
VTTPSKKTLLFDLDGTLVDSFPGIRTSFLHTLHEKNWEIPSEERISQVPGPPMEWTFQDL
GMTPEQAQDALQTYLEHYQVGWDLSEAFPGMRDLLIRLKYEGFRLCTATSKGEFFAEKV
LRKFEMFDLFEFMGAATDSGNRRSKSAVIKHVLDVGLDEPNIDILMIGDRSHDIEGSSEF
GIDCAVAVTWGYGSKTEWDAARYTVSTAEELERIIHDWA

>RXN00337 TRANSLATE of: rxn00337.seq check: 9748 from: 1 to: 1050
MLLTAYAFVDVEGGVEKHSLSSTADIAARAHAMKSHDVLGRQTPPQPEGGVAARLGGIAW
TMIHKQMLSRDITKGLDITVLSTIPEGVGLGENSAMDMVALALALYRENIEEAPTAKARIAEI
CSQSASFMSSETSVLRARHTVALRGETGQISVVDYADGSVTQAPHPVSRASGLSAFVVAQ
TETDPSIYREIYARHAFIDEAARAFSVESLRLLPDASTRVVDWLQAVIEVTGREDLPSIE
QAQRWLNLENENETRAQRTANALRSRRLSEFSELLMESQDDLSDTDFDPPADLALARLCV
ERGATAARSTSARGVIALVDAHHAHNFAADLSEGLLVVPLGHGDVAEQG

>RXN00387 TRANSLATE of: rxn00387.seq check: 3252 from: 1 to: 855
MFRSNISYAVGDDIQNDPETWEDYELRVNHLRIEGDRVYLQGHGFAPTFTVTWPNGETR
TQTVQWRPDDFTFFLSSGVVRFDPAGMPDLYERRQNQLAIQGLFAPTAEWEGDNNELL
TSSYPAMRDPVAVIDIYRGDNGLDTGIGQSLFSLDSSLMHSGVLQKIERVNLQIGDVTIL
DDGTTVSFDGASEFANYQISRDPQTQNWVLVTTVISLVSLSVLSLMIRRRRIWVRFPQENG
TTRVETGGLARTDRAGWGGEYEKFHRELLGLKEEDEDEEYFDHDD

>RXN00388 TRANSLATE of: rxn00388.seq check: 9749 from: 1 to: 1011
MLPVNQTYAQFSDTAFVSAYIIYVLALILSLVYYVKQQGIIDARREQTRVSELVGAGGSA
DVDTDLPPDDIADGVLADEDLAKREETARKLANMTQSLMWLGVMVHLVSVVMRALSASRFP
FGNLYEYILMVTLFAMIGAVLILQRPQFRVWPWILTPMLALLFYGGTQLYSDAAPVPA
LQSFWFPIHVSSVSIGASIGIVSGIASLLYILRMWQPKGKEKGFFGAVAKPLPSGKTLDN
LAYKTAIWTVPFIPLGLIILGAIWAEAAWGRFGWDPKETVSFITWVLYAGYLHARATAGW
RNTNAAWINILALVTMIFNLFFINMVVSGLHSHYAGLN

>RXN00389 TRANSLATE of: rxn00389.seq check: 9029 from: 1 to: 1560
MITATALHGC SLIDGEWVAGKNGEITGFDPRTNASLNPSYSLANSAQLRAATTSAKRAFE
SYRLTTPPEVRADFLDSIADNIDALSGEIVQASLETGLGTTRLTGEVARTSNQLRLFAET
VRSGQFHRVRIERGPRIDLQRQVPLGPVAVFGASNFPVAFSTAGGDTASALAAGCPVVF
KAHNAHPGTAELVGQAVRGAVEKHEFDAGVFNLVYGRGVEIGQELAADPNITAIGFTGSR
QGGALALSQTAFSRPVPVPVFAEMSATNPVVFPGALADLDASSSLAEAFASVTGSSGQL
CTKPGLVFI PRGVVGDAFVALVAAKFKEETGQTMLTQGIAQAWQRGVDNLAAQPSVKILA
QGTPGDGENAPGPVVFESDVQALLNNVVLQEEIFGAASLVVRYDSPDQLHQVANSLEGQL
TATIHSQDDFQEVSKLIPLEDLAGRVLYGGWPTGVEVGHTVIHGGPYPATSNQSTSV
GTLAIERFMRPVSYQTFPAELLDPVSEANKWAVPREIDR

>RXN00401 TRANSLATE of: rxn00401.seq check: 9893 from: 1 to: 939
MARFSPQDLADHLKDGLLSFPATAFQDDLEVDEAAAYVEHIEWQSSYPVAGLFAAGGTGEG
FSLTVEENHRVTQLAVQASSPEVPVLGSATGSTKSAIANAQAAGAAAGAEVLLPPYLTE
CDAEGLYNHAAAVCESTSLGVIYVNRANAIYSPEVIARLSERYPNFIGFKDGTGNIEHLA
KITTLGCDRLFYLGGLPTAETFALPLLQMGMSYSSAMFNFI PDFALSFYADVRAQDSAA

VKQKLSDFVLPYLDIRDRAGGYGVSIGKGLKAVGRNAGGVRPPLRNLSEQDIADLSDDL
ATSGAGSYRLQLR

>RXN00427 TRANSLATE of: rxn00427.seq check: 2014 from: 1 to: 786
MGRILVFYSVTLEVAGDRPVYTPSRNLTGDDGGFAFGFLTALALGANAVWCTDDDDGRPEG
PGVLKTLIDAASRHNLEEVSPVVCNADDPERLAFPLRRGLEWRRMRSELIDPANPEDDLL
PGIASLFNGALISAYAMERIGVPDYRLFIRGDEVEYHRRLLVRSGLPFGTCLTTAYLHPDG
SDEFKPILGGRMHTQYPDNDFKRFFTYRNRGYLMSQPGMRKLLPQEYARFAWFFLVQKRD
VKGFWELRLHLKGRDEKFNRP

>RXN00483 TRANSLATE of: rxn00483.seq check: 5018 from: 1 to: 1464
VLVTGATGYIGGRLITELLAAGFQVRATSRKKTSLQRFWDYEDVEAVEADLTDATELDTL
FKDQDVVYYLVHSMGGKNVDFEEQEQRTAENVIQAADQAGIKQIVYLSGLHPRNRKIEEL
SKHMREREKVAQILLAGQTPALILRAATIIGSGSASFEEIRHLTERLPRMIAPQWITNQI
EFLAIRDVLHYLISAADLKDPVNRSCDIGCGKSYEFADLLRIYADVRLKRVNSVPLNL
PMDKLSGLWISLVTVPVQQLSFPLAQSMADAVTEHSIKDIISDPDPDGFIEYREAVELA
LAAEFDRGVPTSWDRSWTVQQPWAGQPTDPEWAGKAVYEDVRTEDTLRAAQVWPIIEGL
GGVNGWYSAPLLWRLRGIADRLIGGPGLGGRRDPRHLKLGDRIDWVRVTEIDPPHRLVLT
AEMKVDGGAWLILEVADKENGCGCTYTQRAIFEPKGLPGYLYWVVSFPAIIFPYMRSNI
LKAARKLT

>RXN00519 TRANSLATE of: rxn00519.seq check: 5871 from: 1 to: 2214
MAKIIWTRTDEAPLLATYSLKPVEAFAATAGIEVETRDISLAGRILAQFPERLTEDQKV
GNALAELEGELAKTPEANIILKPNISASVPQLKAAIKELQDQGYDIPELPDNATTDEEKDI
LARYNAVKGSAVNPVLRGNSDRRAPIAVKNFVKKFFHRMGEWSADSKTNVATMDANDFR
HNEKSIILDAADEVQIKHIAADGTETILKDSLKLLEGEVLDGTVLSAKALDAFLLEQVAR
AKAEGILFSAHLKATMMKVSDPIIFGHVVRAYFADVFAQYGEQLLAAGLNGENGLAAILLS
GLESLENGEEIKAAFEKGLEDPDLAMVNSARGITNLHVPSPDIVDASMPAMIRTSGHMW
NKDDQEQDTLAIIPDSSYAGVYQTVIEDCRKNGAFDPTTMTGTVPNVGLMAQKAEYGSND
KTFRIEADGVVQVSSNGDVLIEHDVEANDIWRACQVKDAPIQDWVKLAVTRSRLSGMPA
VFWLDPERAHDNRNLASLVEKYLADHDTEGLDIQILSPVEATQLSIDRIRRGEDTISVTGN
VLRDYNLTLFPILELGTSAKMLSVVPLMAGGGLFETGAGGSAPKHVQQVQVEENHLRWDSL
GEFLALAESEFRHELNNGNNTKAGVLADALDKATEKLLNEEKSPSRKVGEIDNRGSHFWLT
KFWADELAAQTEDADLAATFAPVAEALNTGAADIDAALLAVQGGATDLGGYSPNEEKL
NIMRPVAQFNEIVDALKK

>RXN00528 TRANSLATE of: rxn00528.seq check: 9827 from: 1 to: 1089
MSTSTIRVAIAGVGNCAATSLIQGVEYYRNADPSETVPGLMHVKFGDYHVGDI EFVAAFV
DAEKVGIDLADATEASQNTIKIADVPQTGINVLRGPTLDGLGDHYRATIDESTAEFPDV
VQALIDAKADVLVSYPVGSEADKFYAQAADAGCAFNALPVFIASDPEWAKKFTDAG
IPIVGDDIKSQIGATITHRVLARLFEEGRVVRDRTMQLNVGGNMDFKNMLDRNRLESKKV
SKTQAVTSNIPDGPLSGKVEDRNVHIGPSDHVQWLDDRWAYVRLEGTAFGGVPLNLEYK
LEVWDSPNSAGIIDA VRAAKIALDRGIGGPIMPASSYLMKSPPEQLPDDVACERLEAFI
IEA

>RXN00595 TRANSLATE of: rxn00595.seq check: 7949 from: 1 to: 1530
MAMDVLLPIFVAVPLAASAIIVLLPWRLIRDILHIIVPFAGIFAGIWLFAHTAEHGPIAH
NVGLYVGGVAIPFAADTFSAIMLITTSIVAVANWFATIVGETRARFYPALTLMLITGVN
GALLTADLFNFFVFEVMLLPYGLIAMTGTWARLASGRIFVLVNLASTLLVAGVGIVY
GVIGSVNIAALQDVVEGNPLVASAMGIVVIAIAVKAGVFPVHTWLPRTYPGTSAAVMGLF
SGLHTKVAVYMLYRIWVHIFNMDPTWNWLIVAFMVISMVVGGFAGLAENSIRRVLAYQMV
NGMPFILIMMAFTSDDPQRALAAGLLYTLHMITIAALVLTSGAIEETYGTGMLSLSGL
ARREPVVAAVFAAGAFSVVGFPPFGSMWGGKALILLEIARVGNIAAWIAIAAIIIASLGAL
LSMIRVWREVEFWGGAMHQRGVSPQLRISPAKIAPALSIIILSVGMFIFAGPLIDATLTAT
DGLLNTDAYQQAVLGENAIGVPSPSYQGGN

>RXN00606 TRANSLATE of: rxn00606.seq check: 8402 from: 1 to: 2274
VLTGVIAVLIAMSAFTKSAQFPFHFWLPEAMAAATPVSAFLHAAAVVKAGIYLLRFSIV
FHDVAVWNWLLIIVGMGTAIMSAYFAVQKTDLKKLTAYSTVSHLGWIVATIGVGTFFALG
AAIVHTLSHALFKSSFLMIGVIDHQTGTRDIRRLGLFLVKKMPFTFVSVLIGALSMAVSP

PLLGFSKEGMITAFMDAPIGNSYVLLLVGAAIGAVLTFTYSAKLVLGAFVDGPRDMSH
 VKEAPVSLWLPAALPGLMSLPLVLVLSLFDAPVSAAATSAAGEAAHMLALWHGINTPLL
 ISLGVLVAGILGVLFRKELWKIAETSPFPFIATGNDILSMLVYRANLLGKFFGRMADSMSP
 RRHLVSLIVLLWALAAAFATIHPSVQLAPKQPGIDRWIDLIPLAIIALS VFGLLTTRNRLS
 AAVLVGTGTVGVVSFQMLLLGAPDVALTQFLVEGLVVVIIMMVVRHQPANFKRIKPSRRRS
 TVLVAVLAAFAAFMAVWGLLGRHERSELAMWYLNQGPEITSGANVNTILVEFRALDTLG
 ELSVLGMAAVVIGAMVASMPRHPPFAKGTHPRPFGQSQNLNIPRLMLLKVLVPALCFLSFM
 VFMRGHNDPGGGFIAALIAGGALMLLYLSKAKDGRIFRPNVPFILTGAGILMAVFSGLV
 LTHGSFLYAIHFNFVQHWTTSMIFDLGVYLAVLGMVSMANGLGGYLRPGTDNADLDYA
 RRSGLPATPTVEPEPEGEDDWPEPINPAGDNKEEANR

>RXN00635 TRANSLATE of: rxn00635.seq check: 3133 from: 1 to: 1737
 MAHSYAEQLIDTLEAQGVKRIYGLVGDSLNPIDAVRQSDIEWVHVRNEEAAFAAGAES
 LITGELAVCAASCGPGNTHLIQGLYDSHRNGAKVLAIASHPISAQIGSTFFQETHPEILF
 KECSGYCEMVNGGEQGERILHHAIQSTMAGKGVSVVVIPGDIKEDAGDGTYSNSTISSG
 TPVVFDPDTEAAALVEAINNAKSVTLFCGAGVKNARAQVLELAEKIKSPIGHALGGKQYI
 QHENPFVEVGMSSLLGYGACVDASNEADLLILGTDFPYSDFLPKDNVAQVDINGAHIGR
 TTVKYPVTGDVAATIENTILPHVKEKTDRSFLDRMLKAHERKLSSVVEITYTHNVEKHVPIH
 PEYVASILNELADKDAVFTVDTGMCNVWHARYIENPEGTRDFVGSFRHGTMANALPHAIG
 AQSVDRNRQVIAMCGDGGGLGMLLGELLTVKLHQLPLKAVVFNNSSLMVKLEMLVEGQPE
 FGTDEHEEVNFAEIAAAAGIKSVRITDPKKVREQLAEALAYPGPVLIDIVDPNALSIPPT
 ITWEQVMGFSKAATRTVFGGGVGAMIDLARSNIRNIPTP

>RXN00684 TRANSLATE of: rxn00684.seq check: 631 from: 1 to: 1284
 MTSQTSQQSTSTGGCPFGHTSESTSHHGYQPFDMHNPFPAYKELRQEEPVMFDERIGYVW
 VTKYDDIKTTFFDDWETFSSENAQAPVRKRGPQATQIMTDGGFTAYSGLSARIPPEHTRIR
 AIAQKAFTPRRYKALEPDIRAMVIDRVEKMLANDQHVGDMVSDLAYDIPTITILTIGAD
 IFMVVITYKRWSDSRAAMTWGDLSDDEEQIPHAHNLEVEYWQECQRMVADAHAGGDNLTA
 VRAQQEQGEITDHEIASLLYSLLFAGHETTTTLISNCFRVLDDHPEQWQAILENPKLIPA
 AVDEVLRYSGSIVGWRRKALKDTEIGGVAIKEGDGVLLLMGSANRDEARFENGEEFDIR
 ANAREHLSFGFGIHYCLGNMLAKLQAKICLEEVTRLVPSLHLVADKAIGFRENLSFRVPT
 SVPVTWNA

>RXN00705 TRANSLATE of: rxn00705.seq check: 1372 from: 1 to: 915
 MGRITQNLQVPRVVSTDEQVFVNTRPDTVAVEEPLAIRVNGTALTMTMRTPGHDIELVHG
 LLLSEGLITDASEVFTARYCAGAVGPDNQNTYNVLELDVIPKDNPARDPVQNPNSHNPEGS
 QHEALHIPTFQPVRELNLVAAQRNVLTTSACGVCGTTSIEQLMNKKGWPIPTPDPDMI
 VSLPDKLKSKQKIFDKTGGVHAAGLATLDGEMLI IREDVGRHNAADKVIGNMLMAGKLPL
 ENTILVMSSRASFEVLVQKAAMAGISGVIAGVGAATSLAIEAAQDSGIFLAGFVRGNKFNHY
 AGELG

>RXN00799 TRANSLATE of: rxn00799.seq check: 3114 from: 1 to: 1644
 MSQERPQIGSRLSRVIEQDGLQFRDLDDGDLVAPYEDWRLTPAERAADLVKRMNVEEKAG
 LMIIGSHYPGYSPLAPESEGKDAEKCEPLNPNVDMWREDNPITGVPFTEPVLATSSSTENA
 INLRNQRYLIVRDNLPARGLATWTNAVQEAERSRLGIPVAFASNPRNHVALVAQFGVNE
 SAGVVFSEWPGELGLAALRDAELMETFGTEAAKEWRAGGVHKLYGYMADLASEPRWSRFG
 TFGEDPELISDYIAAVVRGLQGPELSKNSVSTTIKHFPGGGVRLDGHDPHFHWGQTNEY
 TEDALGKYHLPPFQAAIDAGCASIMPYYARPMNNSANQLDQQLWQNPTTQFEEVAFAYNR
 TFIQDLLRDAMGHRGVNSDSGVIDAMMWGVEELSEPERFAAAVRAGTDIFSDMANPRRL
 LEAVAEGHLDSELNQPVQRLLEEIFQLGLFENPYVSEDEAEKIIGAPEVSALGNKAQLD
 SVTLLRNNPIRAATGSCSKPEDLPIGYWPYQDRRGSTTAGSSHSRRTPRGNLGVFRVRSR
 SCNRVGSF

>RXN00868 TRANSLATE of: rxn00868.seq check: 5375 from: 1 to: 1911
 MAETKRMTVSQALVEFLGHQWTVGDGDIRERTIPGMFGIFGHGNVAGIGQALKQYNVEQPE
 LMPYYQARNEQAMVHQSVGYARMHRRRGTYASAASVGPATNLLTGAALATTNRLPALLL
 PSDTFATRVAADPVLQQLQEPWDIGLTVNDAFRPVSKFFDRVQRPEQLFSIALAAMRVLT
 PAETGAVTIALPEDVQAEMLDVPVEFLQDREWHIRRPRAALARAIEVIKNAKNPMII
 AGGGVLYSDAETQLQALVEQTGIPVGTSGAGGGVLAWDHAQNLGGVGATGTLANRIAGD
 ADVIIIGIGTRYSDFTTASRTAFQNPVTFININVASFDAYKHGTQLPVIADAREAIVELA
 EALQGFTVAEDYAQRIAKEKAAWDAEVDKSFAPSGLALPGQPEIIGAVQASTSEKDVIQ

AAGSLPGDLHLKLRVRDALGYHVEYAFSCMGYEIAGGIGAKRGLDAAGDDRDVVIMVGDG
 SYLMLNTELVTAVAEGIKVIVVLIQNHGYASIGHLSETVGSQRFGTWYREYDAEAKNFQG
 EQILPVDLAMNARSYGMDVIEVEPSANAIEDLKAAMATAKASEKSTFIHINSPLIYAPD
 GAGWWDVPVSETSTLDSNAAREDYLNQALQRLLG

>RXN00871 TRANSLATE of: rxn00871.seq check: 1232 from: 1 to: 888
 MRWFHKKGELARDGWQSVVDATTPGWEYTGIRIAELGSGESLELNDTGVERIFIPLOGSF
 DVAHHGQVTHLHGRKSVFDGPTDVLVYPTGQTATLSGQGRVAVAEAPTQEPKEWKYIAPA
 ETPVELRGAGRSSRQVHNFGTPEALDAARLIVCEVITPGENWSSYPHKKHDEHYPGHESK
 LEEIYYFESAPSRVGGRAEAAEGAFGMFSTYSSPAGEIDINAMVYSGDIALVPFGYHGPA
 VAAPGYDLYLNVLMAGPDPERIWLINDDPAHAWVRDWTGQAFDDRLPYENANKEG

>RXN00872 TRANSLATE of: rxn00872.seq check: 2930 from: 1 to: 954
 MTNLTSTHEVLAIGRLGVDIYPLQSGVGLADVQSFGKYLGGSAANVSVAARHGHNSALL
 SRVGNDFPGEYLLAELERLGVNDQYVATDQTFKTPVTFCIEIFPPDDFPLYFYREPKAPDL
 NIESADVSLDDVREADILWFTLTGFSEEPSRGTHREILTTRANRRHTIFOLDYRPMFWES
 PEEATKQAEWALQHSSTVAVGNKEECEIAVGETEPERAGRALLERGVELAIVKQGPKGVMA
 MTKDETVEVPPFFVDVINGLGAGDAFGGALCHGLLSEWPLEKVI.RFANTAGALVASRLEC
 STAMPTTDEVEASLNQKV

>RXN00879 TRANSLATE of: rxn00879.seq check: 6977 from: 1 to: 2118
 VTARRFLNELADLYGVATSYTDYKGAHIEVSDDTLVKILRALGVNLDTSNLPNDDAIQRQ
 IALFHDREFTRPLPPSVVAVEGDELVPVHVHDGSPADVHIELEDGTQRDVSQVENWTAP
 REIDGIRWGEASFKIPGDLPLGWHKLHLKSNERSAECGLIITPARLSTADKYLDSPRSGV
 MAQIYSVRSTLSWGMGDFNDLGNLASVVAQDGADFLINPMHAAEPLPTEDSPYLPTR
 RFINPIYIRVEDIPEFNQLEIDLRRDIAEMAAEFREERNLTSDIERNVYAAKLQVLRAI
 FEMPRSSEREANFVSFVQREGQGLIDFATWCADRETAQSESVMHGTEPDRDELTMFYMWLQ
 WLCDEQLAAAQKRAVDAGMSIGIMADLAVGVHPGGADAQNLSHVLAPDASVGAPPDGYNQ
 QGQDWSQPPWHFVRLAEEGYIPWRNLLRTVLRHSGGIRVDHVLGLFRLFVMPRMQSPATG
 TYIRFDHNALVGILALEAELAGAVVIGEDLGTFFEPWVQDALAQRGIMGTSILWFEHSPSQ
 PGPRRQEEYRPLALTTVTTHDLPPTAGYLEGEHIALRERLGVNLTDPAAELAEDLQWQAE
 ILDVAASANALPAREYVGLERDQRGELAEELLEGLHTFVAKTPSALTVCCLVDMVGEKRAQ
 NQPGTTRDMPNWCIPLCDSEGNVSLIESLRENELYHRVAKASKRD

>RXN00999 TRANSLATE of: rxn00999.seq check: 9801 from: 1 to: 1452
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 TVEEFVASLEKPRRAIIMVQAGNATDAVINQLADAMDEGDIIIDGGNALYTDITRREKEI
 SARGLHFVGAGISGGEAGALNGPSIMPGGPAKSYESLGPLLESIAANVDGTPCVTHIGPD
 GAGHFVKMVHNGIEYADMVIGEAYHLLRYAAGMQPAEIAEVFKEWNAGDLDLYLIEITA
 EVLSQVDAETGKPLIDVIVDAAGQKGTGRWTVKAALDLGIATTGIGEAVFARALSGATSQ
 RAAAQGNLPAGVLTDLEALGVDKAQFVEDVRRALYASKLVAYAQQGFDEIKAGSDENNWDV
 DPRDLATIWRGGCIIRAKFLNRIVEAYDANAELSLLLDPYFKSELGDLIDSWRRVIVTA
 TQLGLPIPVFASSLSYYDSLRAERLPAALIQQQRDFFGAHTYKRIDKDGSFHTEWSGDRS
 EVEA

>RXN01025 TRANSLATE of: rxn01025.seq check: 6040 from: 1 to: 996
 VVSVSVMGAGSWGTTLAKVFSDAGNAVTLWARREELASTIRDHENRDYLPGITLPESLQ
 VTSSATEALEGAAIVVLAIPSQALRGNLAEWKETIPQDATLVSLAKGIEKGTHLRMSEVI
 AEVTEADPSRIAVLSGPNLAREIAEGQPAATVIACPDENRAKLVAQAAVAPYFRPYNTD
 VVGTEIGGACKNVIALACGISHGYGLGENTNASLITRGLAEIARLGATLGADAKTFSGLA
 GMGDLVATCSSPLSRNRSFGERLQGGSLEKAREATNGQVAEGVISSQSIFDLATKLGVE
 MPITQAVYGVCHRDMMKVTDMI VALMGRSKKAE

>RXN01048 TRANSLATE of: rxn01048.seq check: 6923 from: 1 to: 1224
 MTIDLQRSTQNLTHEEIEAHEGGKLSISSTRPLRDMRDLRLAYTPGVAQVCEAIKEDPE
 VARTHTGIGNTVAVISDGTAVLGLDIGPQASLPVMEGKAQLFSSFAGLKAIPVLDVHD
 VDALVETIAAIAPSFAGINLEDISAPRCFEVERRLIERLDIPVMHDDQHGTAVVILAALR
 NSLKLLDRKIEDLKIVISGAGAAGVAAVDMLTNAGATDIVVLDNRGIHDSREDLSPVKA
 ALAEKTNPRGISGGINEAFTGADLFIGVSGGNIGEDALKLMAPEPILFTLANPTPEIDPE
 LSQKYGAIVATGRSDLPNQINNVLAFPGIFAGALAAKAKKITPEMKLAAQRQSQTSQRLT
 SRSAASCLPPWIPALPQQSRQLSRPSPKRKTLKNLLIDASLPVEAPIF

>RXN01049 TRANSLATE of: rxn01049.seq check: 4562 from: 1 to: 1482
 MGSIPTMSIPFDDSRGPYVLAMDIGSTASRGGLYDASGCPKGTQKQRESHEFTTGEVST
 IDADQVVSEITSVINGILNAADHHNIKQDQIAAVALDSFASSLILVDGEGNALTPCITYAD
 SRSAQYVEQLRAEIDEKAYHGRTGVCLHTSYHPSRLLWLKTEFEKEFNKAKYVMTIGEYV
 YFKLAGITGMATSIAAWSGILDAHTGELDLTILEHIGVDPALFGEIRNPDEPATDAKVVD
 KKWKHLEEIPIWFHAIPDGWPSNIGPGAVDSKTVAVAAATSGAMRVILPSVPEQIPSGLWC
 YRVSRDQCIVGGALNDVGRAVTLWERTIIKPENLDEVLIREFLECTPAVLPPFFSGERSIG
 WAASAQATITNIQEQTGPEHLWRGVFEALALSYQRVWEHMGKAGAAPERVIASGRVSTDH
 PEFLAMLSDALDTPVIPLEMKRATLRGTALIVLEQLEPGGTRATPPFGTTHQPRFAHHYS
 KARELFDALYKLKLV

>RXN01130 TRANSLATE of: rxn01130.seq check: 121 from: 1 to: 603
 MDLARKLGLLAGKLVDAAVPSIEVEARGELSSEQVNALGLSAVRGLFSGIIEESVTFVNA
 PRIAEERGLDISVKTNSSESVTHRSVLQVKVITGSGASATVVGALTGLERVEKITRINGRG
 LDLRAEGLNLFLOYTDAPGALGTVGTKLGAAGINIEAAALTQAEKGDGAVLILRVESAVS
 EELEAEINAELEGATSFQVDLD

>RXN01143 TRANSLATE of: rxn01143.seq check: 3222 from: 1 to: 1119
 IPVVTTLMALGTFPESHELHMGMPGMHGTVSAVGALQRSDDLIAIGSRFDDRVTDGVDTF
 APDAKIIHADIDPAEIGKIKQVEVPIVGDAEVLARLLETTKASKAETEDISEWVDYLKG
 LKARFPGRGYDEQPGDLLAPQFVIETLSKEVGPDALYCAGVGQHQMWAAQFVDFEKPRTWL
 NSGGLGTMGYAVPAALGAKAGAPDKEVWAIIDGDCFCQMTNQELTTAAVEGFPIKIALINN
 GKPGAWVRQWQTLFYEGRYSNTKLNRNQGEYMPDFVTLSSEGLGCVAIRVTKAEVLPPIQK
 AREINDRPVVIDFIVGEDAQVWPMVSAGSSNSDIQYALGLRPFDFDGDESAAEDPADIHEA
 VSDIDAAVESTEAS

>RXN01144 TRANSLATE of: rxn01144.seq check: 6367 from: 1 to: 516
 MANSDVTRHILSVLVQDQDGIISRVSGMFTTRAFNLVFLVSAKTETHGINRITVVVDADE
 LNIEQITKQLNKLIPVLKVVRLDEETTIARAIMLVKVSADSTNRQPQIVDAANIFRARRVVD
 VAPDSVVIESTGTGPKLRALLDVMEPFIRELIQSGQIALNRGPKTMAPAKI

>RXN01146 TRANSLATE of: rxn01146.seq check: 6296 from: 1 to: 693
 MTGAKAIVRSLEELNADIVFGIPGGAVLPVYDPLYSSSTKVRHVLVRHEQGAGHAATGYAQ
 VTGRVGVCIATSGPGATNLVTPIADANLDSVPMVAITGVGSGLLGTDADFQADIRGITM
 PVTKNFMVNTNPNNDIPQALAEAFHLAITGRPGPVLDIPKDVQNAELDFVWPPKIDLPGY
 RPVSTPHARQIEQAVKLIGEAKKPVLYVGGGVKADAAHEELRAFAEYTGIP

>RXN01175 TRANSLATE of: rxn01175.seq check: 3032 from: 1 to: 1386
 VSWTVDIPKEVLPDLPLPEGMQQQFEDTISRDAKQOPTWDRAQAENVRKILESVPPIV
 APEVLELKQKLADVANGKAFLLQGGDCAETTESNTEPHIRANVKTLLQMAVVLTYGASTP
 VIKMARIAGQYAKPRSSDLGNGLPNYRGDIVNGVEATPEARRHDPARMIRAYANASAM
 NLVRALTSSGTADLYRLSEWNREFVANSAPAGARYEALAREIDSGLRFMEACGVSDESLRA
 ADIYCSHEALLVDYERSMLRLATDEEGNEELYDLSAHQLWIGERTRGMDDFHVNFSMIS
 NPIGKICPGITPEEAVAYADKLDPNFEPGRLTIVARMGHDKVRSVLPQVQAVEASGHK
 VIWQSDPMHGNTFTASNGYKTRHFDKVIDEVQGFEEVHRALGTHPGGIHIEFTGEDVTEC
 LGGAEDITDVLDPGRYESACDPRNLNTQQSLELAFLVAEMLRN

>RXN01193 TRANSLATE of: rxn01193.seq check: 6139 from: 1 to: 1449
 MTTALEEQNAQQAATAGRVVRVIGAVVDVEFPREGELPALYNALTVEVTLESVKKTVVLEV
 AQHLGDNLIRTIAMAPTDGLVRGAAVTDTARPISVPVGDVVKGHVFNALGDCLDVSLNN
 NPEIERWGIHREPPSFDQLEGKTEILETGKVIDLLTPYVKGKIGLFGGAGVGKTVLIQ
 EMITRIAREFSGTSVFAGVGERTREGTDLFLEMEEMGVLDQDTALVFGQMDPEPPGVMRVA
 LSGLTMAEYFRDQVQDVLFFIDNIFRFTQAGSEVSTLLGRMPSAVGYPQLADEMGVLQ
 ERITSTKGRSITSLQAVYVPADDYTDPAATTFHAHLDATELDRSIASKGIYPVNPPLTS
 TSRILEPAIVGERHYEVSQRVIGILQKNKELQDIIAILGMDELSEEDKITVARARRIERF
 LGQNFFVAEKFTGLPGSYVPLTDTVDFAFERICNGDFDHYPEQAFNGLGGLDDVEAAYKKL
 TGK

>RXN01204 TRANSLATE of: rxn01204.seq check: 374 from: 1 to: 810
 MKGEFHAPDLDEKFFPGHVTDSDGEVVNMLFTDFANGWFAMDRIVLIRLLMTAVVVVFFLW

AMRKPKLVPHGVQNFAEYALDFVGIHIAEDILGKKKGRRFLPILATIFFAALLMNLATII
 PGLNISSNSRIAFFPIVMAVAGYIAFIYAGSKRYGFFKYVKSSVVI PNIPPALHVLVPIE
 FFSTFILRPVTLALRLMANFLAGHIILVLLFSATNFFFFQFNGWTAMSGVTILMAVLFTV
 YEIIIVIFLQAYIFALLVAVYIELSLHADSH

>RXN01225 TRANSLATE of: rxn01225.seq check: 1629 from: 1 to: 1440
 MTHNHKDWNDRIAIAEEMVPLIGRLHRNNNVVSVFGRLLVNVSDIDIKSHRYARHIIS
 KELPLESSLDILRELVDMLGTASIDLGLAYSFEESESTDLRAFLEDALAPVIGAETDI
 NPTDIVLYGFGGRIGRLRLARILVSREALYDGARLRAIVVRKNGEEDLVKRASLLRRDSVHG
 GFDGTITTDYDNIIWANGTPIKVIYSNDPATIDYTEYGINDAVVVDNTGRWRDREGLSQ
 HLKSKGVAKVVLTA PGKGD LKNIVYGINHTDITADDQIVSAASCTTNAITPVLKVINDRY
 GVEFGHVETVHSFTNDQNLIDNFHKGSRRGRAAGLNMVLTETGAAKAVSKALPELEGKLT
 GN AIRVPTPDVSM AVLNLTLNTEVDRDEVNEFLRRVSLHSDLRQQIDWIRSPEVVSTDFV
 GTTHAGIVDGLATIATGRHLVLYVWYDNEFGYSNQVIRIVEEIIAGVRPRVYPERRQPAVL

>RXN01312 TRANSLATE of: rxn01312.seq check: 2455 from: 1 to: 2019
 MSTHSETTRPEFIHPVSVLPEVSAGTVLDAAEPAGVPTKDMWEYQKDHMNLVSPLNRRKF
 RVLVVG TGLSGGAAAAALGELGYDVKAFTYHDAPRRASIAAQGGVNSARGKKVDNDGAY
 RHVKD TVKGGDYRGRESDCWRLAVESVRVIDHMNAIGAPFAREYGGALATRSFGGVQVSR
 TYYTRGQTGQQLQFSTASALQRQIHLGSVEIFTHNEMVDVIVTERNGEKRCEGLIMRNLI
 TGELTAHTGHAVILATGGYGNVYHMS TLAKNSNASAIMRAYEAGAYFASPSFIQFHTGL
 PVNSTWQSKTILMSESLRNDGRIWSPKEPNDRDPNTIPEDERDYFLERRYPAFGNLVPR
 DVASRAISQQINAGLGVGPLNNAAYLDFRATERLGQDTIRERYSNLFTMYEEAIGEDPY
 SSPMRIAPTCHFTMGLWTD FNEMTSLPGLFCAGEASWTYHGANRLGANSLLSASVDGWF
 TLPFTIPNYLGPLLG SERLSEDAPEAAIAARAQARIDRLMGNRPEWVGDNVHGPEYYHR
 QLGDI LYFSCGVSRNVEDLQDGINKIRALRDDFWKNMRITGSTDEMNOVLEYAARVADYI
 DLGELMCVDALDRDESCGAHFRDDHLSEDGEAQRDDQNWCFVSAWEFGENGTFVCHAEPL
 FFESVPLQTRNYK

>RXN01332 TRANSLATE of: rxn01332.seq check: 4448 from: 1 to: 576
 HISAIIEPDAARAAAAAEDAPGAQAFTRIEDIAAADAVDAVLIAPVPGQFHEPVLVPALEA
 GLPILCEKPLTPDSESSLRIVELEQKLDKPHIQVGFMRRFDP EYNNLRKLVESGEAGELL
 MLRGLHRNPSVGESYTSMLITDSVVHEFDVIPWLAGSRVVSVEVKYPKTSSLAHSGLKE
 PILVIMELENGV

>RXN01340 TRANSLATE of: rxn01340.seq check: 5971 from: 1 to: 858
 KVGEIIASVFDFTNIPQGLVSIITTTTRDAELSAELMADPRLAKVTFTGSTNVGRILVRQS
 ADRLLR TSMELGGNAAFVIDEAADLDEAVSGAIAAKLRNAGQVCIAANRFLVHESRAAEF
 TSKLATAMQNTPIGPVISARQRDRIAALVDEAITDGARLIIGGEVPDGS GFFYPATILAD
 VPAQSRIVHEEII FGPVATIATFTDLAEGVAQANSTEFGLAAYGFSNNVKATQYMAEHLEA
 GMVGINRGAISDPAAPFGGIGQSGFGREGGTGEGIEEYLSVRYLALP

>RXN01365 TRANSLATE of: rxn01365.seq check: 6665 from: 1 to: 1374
 MRTRESVTAVIKAYDVRGVVGVVDIDADFISSETGAAFGRMRSEGETTVAIGHDMRDSSPE
 LAKAFADGVTAQGLDVVHLGLTSTDELYFASGTLK CAGAMFTASHNPAEYNGIKLCRAGA
 RPVGQDSGLANI IDDLVEGVPAFDGESGSVSEQDLLSAYA EYLNELVDLKNIRPMKVAVD
 AANGMGGFTVPEVFKGLPLDVAPLYFELDGNFPNHEANPLEPANLVDLQKFTVETGSDIG
 LAFDGDADRCFVVDEKGQPVSPSAICAIVAERYLEKLPGSTIIHNLITSKAVPEVIAENG
 GTAVRTRVGHSFIKAKMAETGA AFGGEHSAHY YFTEFFNADSGILAAMHVL AALGSQDQP
 LSEMMARYNRYVASGELNSRLANAEAAQQERTQAVLDAFADRTESVDTLDGVTVELKDTSA
 WFNVRASNTPELLRLNVEAASKEEVDALVAEILGIIRA

>RXN01369 TRANSLATE of: rxn01369.seq check: 8434 from: 1 to: 1182
 MELLEGSLRTPWGSRTLIADLKGEESPSSRPEAEVWFGAHPGSPSTIGGNALNEVIAAN
 PEEALGTRVAEAFENELPFLKILAAGAPLSLQAHPSLEQAREGFARENSAGIDLGAPNR
 NYRDPNHKPELIVALTEFIAMAGFRPLRNTLTIFDALACEPLDRYRSM LTVDNEEESLRA
 LFTTWITIPIGKRHELIDALISNAHTYLEASDRDEDIAFVLSHI IELNEQYPGDVGVLGA
 LLLNFYKLAPGEALYLDAA NLHAYISGLGVEIMANS DNVLRGGLTSKYVDVPELVRLDF
 NSLENARVDVEEDGATTHYPVPINEFQLDRVAVQGEAEANHDGPMIVLCTSGTVSLEAGE
 KTL EVAAGHA AWPANDPTIAMRSEDAEVFLARV

>RXN01376 TRANSLATE of: rxn01376.seq check: 9104 from: 1 to: 861
 VTYSPPGKYLASFLDSLPGATSRDTHVVMADNGSVDPVPEQAAASRSNVEFLSTGGNGLYG
 TAINIAARSLRARREAGEIDGEEFLVSNPDVVFEDSIDQLLECAKRHPEAGAVGPLIRE
 ADGSAYPSARAVPTLANGIGHALLGAVWKSNPWSAAYRDEEDMDTERTAGWLSGSCLLLR
 WDAFDRVGGFDERYFMYMEDVDLGDRLVRAGFTNVFCPSAQIIHAKGHVAGKNPENMLPA
 HHESAYRFQADRLAKPWQAPIRLALRIGLKLRLAGVAVGVSKMRTKAS

>RXN01406 TRANSLATE of: rxn01406.seq check: 5966 from: 1 to: 1023
 MTIRIGLVGYGVGGRLFHTPYIQASTHCELVGVVARSEGTKAAVAEDLPDVAIVGSLTEL
 LELGVDVAVVISTPPATRRELALEAINAGVAVVADKPFAPSADAMELVEAAEKAGVLLNV
 FHNRRNDTHIVTALGIQEELGAMRGLDLRLDLIEPDSLEAGPEGGLLRDLGSHVVDQTLV
 LMGPATSVTAQLGSIDLPEGPTNARFRIVLEHESGAVSHISASKIDRLESWEIRLVGERG
 SYVSNYTDVQTVAIKQGLRPTNDREHWGYESEERWGTLVTDGSKVIPSAQGDYTRFYDA
 FALAVENGAGPVPAREGVAVLKVLDAVAQSAAEKRTIELS

>RXN01468 TRANSLATE of: rxn01468.seq check: 6994 from: 1 to: 825
 MTVNISYLTDMDGVLIKEGEIIPGADRFLQSLTDNNVEFMVLTNNSIFTPRDLSARLKTS
 GLDIPPERIWTSAATAHFLKSQVKEGTAYVVGESGLTTALHTAGWILTDANPEFVVIGE
 TRTYSFEAITTAINLILGGARFICTNPDVTGSPSGIIPATGSVAALITAATGAEPYYIG
 KPNPVMMSALNTIGAHSEHTVMIGDRMDTDVKSGLAAGLSTVLVRSGISDDAEIRRYPF
 RPTHVINSIADLADCWDDPFGDGAHVHPDEQQFTD

>RXN01498 TRANSLATE of: rxn01498.seq check: 692 from: 1 to: 1563
 MIKRLPLGPLPKELHQTLDDLTANAQDAKVEVIAPFTGETLGF'GFDGDEQDVEHAFALS
 RAAQKKVWHTTAVERKKIFLKVHDLVLKNRELLMDIVQLETGKNRASAADEVLDVAITTR
 FYANNAGKFLNDKKRPGALPIITKNTQQYVPKGVVGQITPWNYPITLGVSDAVPALLAGN
 AVVAKPDLATPFSCIMVHLLIEAGLPRDLMQVVTGPGDIVGGAIAAQCDFLMFTGSTAT
 GRILGRTMGERLVGFSaelGGKNPLIVAKDADLDKVEAELPQACFSNSGQLCVSTERIYV
 EEDVYEEVIARFSKAAKAMSIGAGFEWKYEMGSLINHAQLDRVSTFVDQAKAAGATVLCG
 GKSRPDIGPFFYEPTVLADVPEGTPLLTEEVEFGPVVFIKVVATLEEAVDKANGTPYGLNA
 SVFGSSETGNLVAGQLEAGGIGINDGYAATWASVSTPLGGMKQSGGLGHRHGAEGITKYAE
 IRNIAEQRWMSMRGPAKMPRKVYSDTVATALKLGKIFKVLP

>RXN01550 TRANSLATE of: rxn01550.seq check: 138 from: 1 to: 1512
 VQLNDTHPVLAIPELMRLMDEHDMGWEESSWAIVFKTFAYTNHTVLTAELEQWQQIFQQ
 LFWRVWEIITEIDRRFRLEAADGLDEETIDRMAPIQHGTVMMAWIAACYAAYSINGVAAL
 HTEIIKAETLADWYALWPEKFNNKTNGVTPRRWLRMINPGLSDLLTRLGSDDWVTDLDE
 LKKLRSYADDKSVLEELRAIKAANKQDFAEWILERQGIEIDPESIFDVQIKRLHEYKRQL
 MNALYVLDLYFRIKEDGLTDIPARTVIFGAKAAPGYVRAKAIKILNSIADLVNNDPEVS
 PLLKVVFVENYNVSPAEHILPASDVSEQISTAGKEASGTSNMKFMNGALTGTMDGANV
 EIVDSVGEENAYIFGARVEELPALRESYEPYELYETVPGLKRALDALDNGTLNDNNSGLF
 YDLKHSILHGYGKDASDTYYVLGDFADYRETRDRMAADYASDPLGWARMWINICESGRF
 SSDRTIRDYATEIWKLEPTPAVKK

>RXN01554 TRANSLATE of: rxn01554.seq check: 7857 from: 1 to: 2142
 LKKHVTSAVTAVVTAFASTAALGLSIAVSPAQAQVANPAPDLSAPYTWVEEFDSEDALKGW
 NIFRQPDYGSDDKVLTYTEDALSIEDGKLTITTQRHCVDEDFAIISDPVNRGKLNDSQAQVEP
 CAPGQFEKFTSARIVTPKIARGEFDLSVTATLNTGGVEGVRSIAIWMQNGEQACSSATNNG
 LYGELDLVEHFSYDLRSPWSPSNTHLGDPESVNGTNRAPRELKLDLDES LDGVEHTWTVST
 TRDGVEYFIDDEAINRQSWRNDVTLGHAIEIDDFGISAQTFDEIVDREWTLTLNQKVESAD
 WAKPRSSEEDFPVRSMVIDRIEVTGSPAVSEDTMPDPTTQLLTQDTLEYLGRMPVLERYE
 PASADFADGRRPSWNYFNLKESWQNPELEQRPEAVEFVDGRMDIVTRRHCLATTDIATP
 ENAQEEPCAPGEVTRYSSARVHLPEIPAGNFRLTVRARAQSEELVDGVRPAIWMQNNTNF
 CADNDGRPYGELDITEFYSSRVNTQYSAVHLGCAGNRPEMKLRQMEMEESMFGDWHDWGV
 EVFDGQIVFTIDGKAVTSSGKDVFVGNVTPAAAPLRPAHFKLSEEEYREVIQGPWHLILN
 TMVEQSGKDSWITAVDNNEAFPEHRFQIDHVAVDIESDSVDNVWPDAAANEIPDNVGIEDS
 DDGSDLEVGGSTGSSTAETVSWISLFTALSSLVFTLALNQEALQNLINQFMQRQFK

>RXN01562 TRANSLATE of: rxn01562.seq check: 4942 from: 1 to: 1908
 MGILNSISTPADLKALNDEDLDALAKEIRTFVLVDKVAATGGHLPNGLGVVELTIGLHRVF
 DSPQDPPIIFDTSHQSYVHKILTGRAKDFDSLRLQKDGSLGYTCRAESEHWDTESSHASAAAL
 SYADGLSKAKQLDGDTHSVVAVVGDGALTGGMCWEALNNAAGKDRKVVVVVNDNGRSY
 SPTIGGFAENLAGLRMQPFYDRFMEKGKTSLSKSMGWVGERTFEALHAFKEGVKSTVIPT
 MFPELGMKYVGPVDGHNQKAVDNALKYAHDYDGPIIVHVMVTEKGRGYAPAEQDLDELMS
 TGVIDPLTGAPKSASKPGWTSVFSDELVKIGAQNENNVVAITAAMAGPTGLSKFEANFPNR
 FFDVGIAEQHAVTSAAGLALGGKHPVVAIYSTFLNRAFDQLLMDVGMLNQPVTLLVDRSG
 VTGSDGASHNGVWDMALTSIVPGVQVAAPRDEDSLRELLNEAISIDDGPTVVRFPKGDLP
 TPIVAIDTLEDGVDVLAYEDATDVESTDDAPSVLIIAVGERATVALDVASRIKQHGVT
 VVDPRWIVPIQSLVALSDDHDLVITIEDGVIHGGVGSLLSDALNASEVDTPRRQIAVPQ
 KYLDHASRNEVLADYGLDADGIETTVVGWLDLSLFE

>RXN01569 TRANSLATE of: rxn01569.seq check: 9598 from: 1 to: 1359
 MEYKQLTSHTTDIEGLLVFDFPVHGDNRGWFKENWQRTKMTNLGLPDFGVQNNMSFNA
 TAGTTRGMHAEPWDKFEVSVAVGSVFGAWVDLRAGSSTYGNVVTQKITPDVGVIYVPRGVAN
 GFQALEDGTLYTYLVNDHWSPPAHYANVNLNMIDWPLPITEISEKDKKHPALIDATPLPA
 RKVLVVGAGGQLGTALRAQFPDAEFVTRQELDITSDLTEARAWQYSTIINAAAYTAVDQ
 AEHDRAAAWDINAAAVANLATIARDNNLTLVHVSSDYVFDGAAESYDENAPFSPLGVYGO
 SKAAGDIGDTTAPRHYIVRTSWVIGDGNFVRTMKSLLDERGIAPSVVDDQIGRLSFTEDI
 AAGIAHLLEVGAAYGTYNLTNTGEPASWADVARAVFSDPTKVTGVSTAIEYFANKDAAPRP
 LNSVLDLKGIEATGFSAPTWQTRLNDYLKELSK

>RXN01580 TRANSLATE of: rxn01580.seq check: 9660 from: 1 to: 717
 MYKNMHIVAHGAEDLHLENTMTAFQAAAFADAFELDIHATADNQVVVIHRTAARVAAP
 DSLHRDTPVARLSAAQIKEITLIDGSPVPTLEEVLQTSPLPIQVEIKSAGAVFAAAALLQ
 KYPEHLERLLFISFIDAALVEIVDRLEFARVGIIRDASMDLRLDYIPLKNVGAILPSW
 KALNVASIADLHTKGIVGCWTIRDENAFGIAQQAGVDYATVSDPSRFLAPSPAGELHW

>RXN01593 TRANSLATE of: rxn01593.seq check: 9774 from: 1 to: 867
 MYVTNNASRAPEVVAQRLREIGLADTTADNVMTSAQAACKMAAEKIPAGSKVYVLGSESE
 RELATEAGFVVVDSADDPKPAVLHGHNPETGWAQLSEALSINAGAQQYFASNLDSTLPME
 RGRHIGNGSMVAAVVNATGVKPLSAGKPGPAMFYAGAETLNSSKPLAVGDRDLTDIAGGN
 AAGMDTFQVLTGVSGYYDLVRAIPRAAPHLYRHLDAGSLQSRGQAQRCGRFFSAYRRR
 HPGHFRRRCRRNSGCSTPHCVGCGLGGHRAVTEVRADSEVAATALQSWW

>RXN01630 TRANSLATE of: rxn01630.seq check: 5194 from: 1 to: 1077
 MSDQKIVVGLLGITHPHASARVRALREIDGVEVVAAADTDSRLQYFTDKYDVEPREIDDV
 LNDDRINAIMVHSSKSKDMVPHAKRALAAGKSVVVEKPGGGTVADLEELLALKEAADPQRI
 VQVGYNVRLSESVQRLKELLDAGLIGEVVSVQARGAAKVGEHTEHLNQPADMGGLVWIL
 GCHMLDALVEVFGAPESVNARVHKTAKLSDDTSREDSASALLYPPDFSVSFSFDGHDDLE
 WFESSRLTVYGTGKMIEAGILPQTLRVYLNESRQGWPGWTEWTQSYFTPPFARTESNKF
 SELPELENISNFRTEMQGWVNSIRTGSRNVAPVEDALTVARIVSACYESDNNQGISVNI

>RXN01631 TRANSLATE of: rxn01631.seq check: 4404 from: 1 to: 879
 MKPQLIASCWTSAGDAAPDRDDLSSPVAIDERIALVAETGWAGIGLVHADLIKARDTIGY
 EELRRRIHAAGIEIEVEFLNGWWATGAERQESDAVRADLFAAAQALGSPHIKVGAGEGT
 NGVVPIAHMASAFTDLAAEAHGVKLALATPFSHLKTIYDALEVVSHTSDSPSAGLMVD
 IWHTAKIGIPNDELWRNIPLSKVNAVEVDGFIIDPIDLFDSTNRRAYCGEGEFDPAF
 IRGAIDAGWTGAYGVEIISAHRSPLVKEGLQRAFDTTIAAFEQAARLAPSTN

>RXN01695 TRANSLATE of: rxn01695.seq check: 9144 from: 1 to: 1500
 MSDSPKNAPRITDEADVVLIGAGIMSSTLGAMLRQLEPSWTQIVFERLDGPAQESSSPWN
 NAGTGHSALCELNYTPEVKGKVEIAKAVGINEKFQVSRQFWSHLVEEGLVSDPKFINPV
 PHVSFGQADQVAYIKARYEALKDHPFLFQGMTYADDEATFTEKLPLMAKGRDFSDPVAIS
 WIDEGTDINYGAQTKQYLDAAEEVEGTEIRYGHEVKSIAKADGAKWIVTVKNVHTGDTKTIK

ANFVFGAGGYALDLLRSAGIPQVKGFAGFPVSGLWLRCTNEELIEQHAARKVYGKASVGA
 PPMSVPHLDTRVIEGEKGLLFGPYGGWTPKFLKEGSYLDLFSIRPDNIPSYLGVAQEF
 DLTKYLVTEVLKDQDKRMDALREYMPEAQNGDWETIVAGQRVQVIKPAFGPKFGSLEFGT
 TLINNSEGTIAGLLGASPGASIAPSAMIELLERCFGDRMIEWGDKLKDMPISYGKKLASE
 PALFEQQWARTQKTLKLEEA

>RXN01744 TRANSLATE of: rxn01744.seq check: 8546 from: 1 to: 1539
 VDVVDIARWQFGITTVYHFIFVPLTIGLAPLVAIMQTFWQVTGKEHWYRATRFFGTVLLI
 NFAVG VATGIVQEFQFGMNWSEYSRFVGDVFGGPLALEGLIAFFLESVFLGLWIFGWGKI
 PGWLHTASIWIVAIATNISAYFIIIVANSFMQHPVGAEYNPETGRAELTDFWALLTNSTAL
 AAFPHAVAGGFLTAGTFFVLGISGWWIIRAHROAKKAESEIESKHSMPALWVGWWTTVV
 SSVALFITGDIQAKLMFVQQPMKMASAESLCETATDPNFSILTIGTHNNCDTVTHLIDVP
 FVLPLAEGKFTGVTLQGVNQLQAAAEQAYGPGNYSNLFVITYWSFRAMIGLMLGSLAIA
 AIAWLLLRKKRTPTKIARLFQIGSLIAIPFPFLANSAGWIFTEMGRQPWVHPNPESAG
 DARTEMIRMTVDMGVSDHAPWQVWLTIGFTILYLILFVVVWVWLIIRRAVLIGPPEEGAPS
 VEAKTG PATPIGSDMPMTPLQFTAAAPTGEKE

>RXN01752 TRANSLATE of: rxn01752.seq check: 3364 from: 1 to: 1461
 MMEQDLSYREILPLNASEEKKKAALIDAIEGLRVRDPLLSASIAFTRGQKVAFIADVGVF
 ILMILIFARQAALIGLSATCTFMYLITLLDRFIMFSRGIRAESIIQVSDDEDALAFPEDKLL
 TYTVLVPAYGEPEVIAQLLASMHAFDYPKHLQVLLMLEEDDLPTIAAAEAAGVDQVATI
 IKVPPAQPRTPKACNYGLHFATGEIVTIFDAEDMPDPLQLRRVVVAFERSASNTVCVQS
 RLSYRNARQNLLTAWFTIEYDVWFNLLPGVMRMNAPVPLGGTSNHLITGVLKDLGAWDP
 FNV TENADLGVP IAAKGYSTAVLDSVTWEEANS D T INWLRQSRWYKGYLQTLWLVYMRP
 KWL VQELGI I PAVRFTFLMAGTP I IAVLNLLFWYLSLTWILGQPGTIEQMFP PAVVYPAL
 VCLLVANAATIFMNLIGCREGRDPLLLIAVLTFPLYWLMISIAALKGTWQLITRPSYWEK
 TA HGLEA

>RXN01884 TRANSLATE of: rxn01884.seq check: 9417 from: 1 to: 1890
 VTAIELMPVHQFLQDDRLRDLGMRNYWGYNSFGFFAPYNDYAANKNPGGAVAEFKGLVRS
 YHEAGLEVI LDV VYNHTAEGNHMGPTIAFRGIDNEAYYRLVEGDRRHYMDYTGTGNSLNV
 RDPHSLQLIMDSLRYWVTEMHVDGFRFDLASTLAREFDDVDRLATFFDLVQQDPVVSQVK
 LIAEPWDVGEGGYQVGNFPLWTEWNGKYRDTVRDFWRGEPATLGEFASRLTGSSDLYAN
 NGRRPTASINFVTAHDGFTLNDLVSYNEKHN MANGEDGRDGESHNRSWNCGVEGPTDDPE
 IMQLRAQQRNFLTLLLSQGT PMLSHGDEMARTQNGNNNVYCQDNELAWNVWDQAEENA
 DIVSFTRRLLRIRANHPVFRRRQFLAGGPLGADVRDRDIAWLVPNGTLMTQDDWDFAFGK
 SLQVFFNGDAIEEPDYRGQKI HDSFILMFNAHFEPIDFNLPPEHFGMKWKLLVD TTEAV
 GHPLEDLTIEAGGTITV PARSTMLLRQVEAPDYTKLEEKIAAEKREQELAAEKEAAEKRE
 LELAAAKEAEDAALHLAAERASTQEAELAHQHGADAIADAEVAAEPQELPQDEVAEEVE
 TEPDTEPDTESDSEQAEEVASEEPEADEEEK

>RXN01891 TRANSLATE of: rxn01891.seq check: 8435 from: 1 to: 864
 GGHYGLPFARSTVLFYYNKDLWAKAGLED RGPESWEEFSEWGPKLQEAMDSGFAHWGDA
 TNYLSWTFEGPMWSLGGNYSEGWSRLTTPETIRAVEWLKSTVDEGFATVSTDVTNEFAT
 GLIGSCIQSTGDLSSVAGAASFWDGVAALPNPTGEGACPTGGAGLGIPSGISEQRQDNAL
 KFIDFLTNAANTGYWSRETGYVPVRKDAASDPDHA AFLEENPAYNVAVEQLPDTRSQDNF
 RVLLPNGDRITIGDALEKICLTGADIDVTLAEVETKLNTIYTRDIEPLI

>RXN01895 TRANSLATE of: rxn01895.seq check: 607 from: 1 to: 951
 MSVNPTREPGRRHHVVVIGSGFGGLFAAKNLAKADVDTLIDRTNHHLFQPLLYQVATGI
 LSSGEIAPSTRQILGSQENVNVIKGEVTDINAVESQTVTASLGEFTRVFEYDSL VGAGAG
 QSYFGNDHFAEFAPGMSIDDALEIRARIIGAFERAECEDPAERERLLTFVVVGAGPTG
 VELAGQLAEMAHRTLAG EYKNFNTNSAKIILLD GAPQVLPFFGKRLGRNAQRTLEKMGVN
 VRLNAMVTNVDATSVTYKTKDGEHTIESFCKIWSAGVAASPLGKLVAEQTG VETDRAGR
 VMVNDDL SVGDQKNV FV

>RXN01927 TRANSLATE of: rxn01927.seq check: 8048 from: 1 to: 1380
 MALVLGIDSSTQSCKALLVDAATGQVIDEGRASHPSGSEVDPRAWIAALDQATEGLLERA
 DAVSIAGQQHGMVALDENDEIVRPALLWNDTRSAQAALDLNEEIGGDQAAVDATGSVYVA
 SLTATKMRWMRDHEPENARTASVMLPHDFLTWHLMGRGRKVTDHGDASGTGYISTRDRA

WRTDLAALALGHEVELPELLAPNAIAGTTPGGVKVAAGTGDNAAAAALGLDLQPGDVSVSI
GTSGVAGMTVQHSVHDPSTGLTGFADATGAYFPLACTLNGAPVLEFGRRILGVEWEEFDA
LALAAQPGSGGVTLQPYLEGERTPNRPAARGVLAGLNCATTREDFARATVEGLLLALDDA
VTALVEATGVPVQRIQLIGGGARSQAVREIAPEIFGHEIVVPEPAEYVALGAARQAALWAL
SGEATPPQWPTPGSDPHRAPKNTTELSTRYAKLRAATQGWY

>RXN01952 TRANSLATE of: rxn01952.seq check: 6335 from: 1 to: 1713
MTQPGQTTTTSHEAIDAFKRIVGDEHVLTSERATMPFSKGYRFGGPGVFAVVRPGTLVEM
WRALQVSDNNLIVIPQASNTGLTGGSGPGFQDYDRPIVISTHRIDEVHLINDAREAIS
LAGTPLTHLTDALAKHQREPHSVIGSTSIGASVIGGIANNSSGGSQIRKGPFTREAI FAR
VNDDGKVELVNLHGLISLGDDPEVALDRLQGEWSPEDVTPAPEDSNETEYAEHLRKIVPS
PARYNANPEYLFASGSAGKLMVFAVRTRTFPREVHPTVIFYIGTNNTHELEEIRRLFLEA
DMPLPISGEYMGRSAFDLAKEYGKDTFVFLKFMSPALQTRMFSFKTWANGLFSKIPGIGP
TFADTVSQAMFSVLPNQLPKRMMEYRNRFEHLLLTVSESQKAASEKMLKEFFAEPEHTG
EFFICTSDEEKASASLNRFGAASAATRYAALKRRHIAGLIPIDVALRRDDWNWLEVLPEEI
DDQLEVKAYYGHFFCHVMHQDYVAKQGVLDLEALHDRIQHLLLEERGAKLPAEHNYGRMYKL
PESMEEHFKELDPTNT'FNAGIGGTSPhKdWA

>RXN02036 TRANSLATE of: rxn02036.seq check: 338 from: 1 to: 381
VHIPFGHLADTVSWDCGGGSCATNDLVSLFMPAAFMSTLAACVFGAWAIGLIAPALFIAV
TAWAFRSGVQAAIADGYTSATSVGFEMTVSLILFIIAGLCFLGWIPMFINNRRQVARKVRE
RAAGLSN

>RXN02046 TRANSLATE of: rxn02046.seq check: 7831 from: 1 to: 417
MKETLTTLGTHQMTYIVPANRTVPHLLPEAAEFETMPDVLATGYMVGIIIEWACMELLRPH
LDDGEISLGTHVNFSHAAPTVPGSTVTIDVEVTEINRRAVTFNITAADDEFATISTGTHQR
GVVNREKFVSRLEAPKEN

>RXN02100 TRANSLATE of: rxn02100.seq check: 3527 from: 1 to: 2325
LGRINAEQNLSEYLSDKLWYQDTADAT'DAVGDPLVAYFSMEFGIHPSLPIYSGGLGVLA
GENMKSASDLGVPLIGVGLLYTHGYFTQSLSGDGWQQEYKYHDPALPIEAVKDKNGEQ
VTVSVTYPGAQEVKIALWVANVGRIPLILLDTNIEANPEELRNVTDRLYGGDNEHRIKQE
LVLGVGGVRVAVNAFCEARGLKRSSVAHLNEGHAFTLERIRERIAEGMEYPAAFEQVRA
SNIFTTHTPVPAGIDRFDMEMVRRYLGGGQPEDQQLCVGVPIEKALELGQESDPHRFNMA
HMGIRASQHANGVAKLHGEVSRDMFAGLYPGYEPREVPIGHVTNGVHLPTWVKPEMKELI
DRVTGGADLAVADSWSNPQAVESEKIWKVRNKFRA DLVEVARAATAKSWSHRGHTEAELA
WTSRVLDPNVLTIGFARRVSTYKRLTLMRLNPERLRSILLNEERPQFVIAGKAHPHDMG
GKKLMQEI VHFADQAGVRDRFLFLPDYDINLASYLISGADVWLNPNVVRPQEASGTSGMKA
VMNGGLTSLISDGGWDEMPKETTGWTIPTVESQDLECRDHLESQALYDLLENEVAPLFYK
RDKNIGIPQDWLDLVRESWTLS PMVTSTRMVRDYTTQYYRPTKHQAE LIAQPAEAADYAA
WLEHIKAEWAGVKVSDLKISESAITAQELEVSVRVDSGSLNDDFQAQALFGALGHNGDI
EDPEITVLTTPRGDGAYAAKVSTDLPGNYGITARVVPNNRMLVSPAETRLITYLEN

>RXN02125 TRANSLATE of: rxn02125.seq check: 5612 from: 1 to: 801
MVATSQFIDDSEAAQAVRAAIVAGYRNIDTALAYGNERGVGEGIRTAGVPREELFISTKL
AAEIKDYDGAVAAIDESLAKIGLDYVDLMLIHSPQPWSDFRGGDYSEGNREAWRALEDAY
KAGKIRSIGVSNFLEADLENILDSATVAPHVNQLLVHVGNTPELISFCDSKGILVEAYS
PIAHGEMLKNNQVKAIAIDKYNVSIPLQLCIRYTIQLGTVSLPKTANPDHMSNAQIDFEIS
EEDMAALQEV TARDYGEHSGFPVYSGK

>RXN02206 TRANSLATE of: rxn02206.seq check: 8771 from: 1 to: 936
MVGSSGLRVSRGLGLTSTWGSGETELAEAGDIFKAFINSGGTLIDVSPNYTTGVAEEMLGT
MLDAEVSRSRAVVISSSAGVNPALPLGRVDCSRRLIAQLDVTLRALNTDYLDLWSVGWY
DEGTPPHEVADTLDYAVRTGRVRYAGVRGYSQWQLAVTHAASNHAAASARPVVVAQNEYS
LLERRAEQELLPATQHLGVGFFAGAPLGQGVLTAKYRSEIPHDSRAASTGRDAEVQSYLD
NRGRIIVDALD TAAKGLGISPAVTATTWVRDRPGVTAVIVGARTHEQLSHLLKAESVTLF
TPITQALDDVSL

>RXN02209 TRANSLATE of: rxn02209.seq check: 8467 from: 1 to: 1671
TESTVVPSIAGPKRPQDRILLSEAKEQFRKDLPTYTDDAVSVDTSIPATRMVNEGGGQPE

GGVEADNYNASWAGSGESLATGAEGRPSKPVTVASPQGGEYTI DHGMVAIASITSCTNTS
NPSVMIGAGLIARKAAEGLKSKPWVKTICAPGSQVVDGYYQRADLWKDLEAMGFYLSGF
GCTTCIGNSGPLPEEISAAINEHDLTATAVLSGNRNFEGRISPDVKMNYLASPIMVIAYA
IAGTMDFD FENEALGQDQDGNVFLKDIWPSTEEIEDTIQQAISRELYEADYADVFKGDK
QWQELDVPTGDTFEWDENSTYIRKAPYFDGMPVEPVAVTDIQQARVLAKLGDSVTTDHIS
PASSIKPGTPAAQYLDEHGVERHDYNSLGSRRGNHEVMMRGTFANIRLQNQLVDIAGGYT
RDFTQEGAPQAFIYDASVNYKAAGIPLVVLGGKEYGTGSSRDWAAKGTNLLGIRAVITES
FERIHRSNLIGMGVVPLQFPAGESHESLGLDGTETFDITGLTALNEGETPKTVKVTATKE
NGDVVEFDAICPHRHR

>RXN02213 TRANSLATE of: rxn02213.seq check: 8081 from: 1 to: 774
VTESKNSFNAKSTLEVGDYSYDFALSAPVPGMEKLPYSLKVLGENLLRTEDGANITNEHI
EAIANWDASSDPSIEIQFTPARVLMQDFTGVPCVVDLATMREAVAALGGDPNDVNPLNPA
EMVIDHSVIVEAFGRPDALAKNVEIEYERNEERYQFLRWGSEFSNFRVVPPTGIVHGV
NIEYLARVVFDNEGLAYPDTCTIGTDSHTTMENGLGILGWGVGGIEAEAAMLGQPVSMILP
RVVGFKLTGEIPVGVAT

>RXN02326 TRANSLATE of: rxn02326.seq check: 550 from: 1 to: 816
MLGRPTKVTPSSKVVGDALHLVAGVDPADFAADPQKYDIPDSVIAFLRGELGNPPGGW
PEPLRTRALEGRSEKAPLTEVPEEEQAHLDADDSKERRNSLNRLFPKPTTEEFLEHRRR
FGNTSALDDREFFYGLVEGRETLIRLPDVRTPLLVRLDAISEPDDKGMNRNVANVNGQIR
PMRVRDRSVESVTATAEKADSSNKGHVAAPFAGVTVTVAEAGDEVKAGDAVAIEAMKME
ATITASVDGKIDRVVPAATKVEGGDLIVVVS

>RXN02327 TRANSLATE of: rxn02327.seq check: 173 from: 1 to: 960
LLATRVRSFALKPAAEAVAKLTPELLSVEAWGGATYDVAMRFLFEDPWRDLDELREAMPN
VNIQMLJRGRTVGYTPYPDSVCRAVKEAASSGVDFRIFDALNDVSQMRPAIDAVLET
NTAVAEVAMAYSGDLSDPNEKLYTLDYLLKMAEEIVKSGAHILAIKDMAGLLRPAAVTKL
VTALRREFDLPHVHHTHDTAGGQLATYFAAAQAGADAVDGASGTTVWHHLPSHPLSAIVA
AFAHTRRDTGLSLEAVSDLEPYWEAVRGLYLPFESGTPCPTGRVYRHEIPGGQLSNLRAQ
ATALCLADRFELIEDNYASR

>RXN02328 TRANSLATE of: rxn02328.seq check: 5494 from: 1 to: 1596
VTAITLGGLLKGIITLVSTHTSSTLPFAKKILVANRGEIAVRAAFRAALETGAATVAIYP
REDRGSFHRSEAVRIGTEGSPVKAYLDIDEIIGAACKVKADAIYPGYGFLSENAQLA
RECAENGITFIGPTPEVLDTGDKSRAVTAACKAGLPVLAESTPSKNIDEIVKSAEGQTY
PIEVKAVAGGGGRGMRFVVASPDELRLKATEASREAEAAFGDGAVYVERAVINPQHIEVQI
LGDHTGEVVHLYERDCSLQRRHQKVVEIAPAQHLDPFLRDRICADAVKFCRSIGYQGAGT
VEFLVDEKGNHVFIEMNPRIQVEHTVTEEVTEVDLVKAQMRLAAGATLKLGLTQDKIKT
HGAALQCRIITTEDPNNGFRPDTGTITAYRSPGGAGVRLDGAAQLGGEITAHFDSMLVKMT
CRGSDFETAVARAQRALAEFTVSGVATNIGFLRALLREEDFTSKRIATGFIADHPLLQA
PPADDEQGRILDYLDVTVNKPVGVRPKDVAAPIDKLPNIKDLPLPRGSRDR

>RXN02333 TRANSLATE of: rxn02333.seq check: 9284 from: 1 to: 915
MNLFSNGVDVGRRRQAFKAALAAPHIARLPGAFFSPLIARSIEEAGFEGVYVSGAVIAADL
ALPDIGLTTLTEVAHRARQIARVTDLGVLVDADTGFGEPMSAARTVAELEDAGVAGCHLE
DQVNPCKRCGLDGLKEVVRTDVMVRRIAAAVSARRDPNFVICARTDAAGVEGIDAAIERAK
AYLDAGADMIFTEALHSEADFRYFRHAIPDALLANMTEFGKTTLLSADVLEEIGYNAVI
YPVTTLRIAMQVEQALAEIKEHGTQEGWLDQMQRSLYELLRYEDYNVFDQHI FTYRK
GENNE

>RXN02399 TRANSLATE of: rxn02399.seq check: 7887 from: 1 to: 1344
VVGTAHCESALKEVTLMNSVNGKPRTAQEIQDWDNTPRWNGITRDYTADQVADLQGSVIE
EHTLARRGSEILWDAVTQEGDGYINALGALTGNQAVQQVRAGLKAVYLSGWQVAGDANLS
GHTYPDQSLYPANSVPSVVRINNALLRSDEIARTEGDTSDVNWVPIVADGEAGFGGAL
NVYELQKAMIAAGAAGTHWEDQLASEKKCGHLGGKVLPTQQHIRTLSARLAADVANTP
TVVIARTDAEAATLITSDVDERDQPFITGERTAEGYYHVKNLEPCIRAKSYAPYADMI
WMETGTPDLELAKKFAEGVRSEFPDQLLSYNCSFENWSAHLEADEIAKFQKELGAMGFK
FQFITLAGFHSNLNYGMFDLAYGYAREGMTSFVDLQNREFKAAEERGFTAVKHQREVAGGY
FDQIATTVDPNSSSTALKGSTEEGQFHN

>RXN02404 TRANSLATE of: rxn02404.seq check: 8768 from: 1 to: 2217
MTEQELLSAQTDADNAGTDSTERVDAAGMQVAKVLYDFVTEAVLPRVGVDAEKFWSGFAAI
ARDLTPRNRELLARRDELQMLIDYHRNNSGTIDQEAYEDFLKEIGYLVEEPEAAEIRTQ
NVDTEISSTAGPQLVVPILNARFALNAANARWGSYLDALYGTNAIPETDGAKEGKEYNPV
RGQKVIEWGREFLDSVPLDGASHADVEKYNITDGKLAHIGDSVYRLKNRESYRGFTGN
FLDPEAILLETNGLHIELQIDPVHPIGKADKTGLKDIVLESATITIMDFEDSVAAVDAED
KTLGYSNWFLNTGELKEEMSKNGRIFTRELNKDRVYIGRNGTELVLHGRSLLFVRNVGH
LMQNPSILIDGEEIFEGIMDAVLTTVCAIPGIAPQNKMRNSRKGSIIYIVKPKQHGPEEVA
FTNELFGRVEDLLDLPRHTLKVGVMDDEERTSVNLDASIMEVADRLAFINTGFDRGTGDE
IHTSMEAGAMVRKADMQTAPWKQAYENNNVDAGIQRGLPGKAQIGKGMWAMTELMAEMLE
KKIGQPREGANTAWVPSPTGATLHATHYHLVDVFKVQDELRAAGRRDSLRLNILTISTAPN
TNWSEEEKKEEMDNQCISILGYVVRWVEHGVGCSKVPDIHDIDLMDRATLRISSQMLAN
WIRHDVVSKEQVLESLEMAVVDKQONAGDEAYRDMAPKYDASLAFQAAKDILFEGTKSP
SGYTEPILHARRREFKAKN

>RXN02434 TRANSLATE of: rxn02434.seq check: 219 from: 1 to: 1650
MRTFAAYIAIDGLSFSYPNTHVLSDISLTVANGDIAGLIGENGAGKSTLLSLIAGVMEPD
QGRIYLPERTGFIAQETDLPFEQPVQSLIDAAPVAVRAVDAAITDLSTKLGDASLSAEEQ
AQVATDFDAALGAAEELGLWELDARIETIVAGLGLAEVDRSTPIGELSGGQRRRFALAAL
LLEPHDALIFDEPTNHLDDTAVDFLISEISRFGKGPVLIASHDRFFLDSVCTELIDLDPAL
GPEGGSGEVVKQAVSFGGGFSEYIKERETRRTWAQLYTAQETEREKLEETTGTTESDIF
HSSVSKSEAKITAKFYADRAAKTQGNRVRSAKNRLKELERYEIPAPPKPLEFQGIPEASG
NGHGETLEVRAIAVENRLQPLTFHIDPGDHILVEGPNGVGKSTLLSVLEGVLEPTEGELI
VPEGLKVARLKQDDQWTEKQLNTPVDELFAALS KGPVGLNLVEMGLLRETSQSSPLRLALS
LGQRRRVSLGLILASPPDLLLDEPTNHLSLALSEELESAIEKFPGRVILASHDRWIRKR
WTGKKISLSR

>RXN02461 TRANSLATE of: rxn02461.seq check: 9219 from: 1 to: 408.
MRGLIVDYAGVLDGTDDEDQRRWRNLLAAAKKNGVGTVILSNDPGLGAAPIRELETNGVV
DKVLLSGELGVEKPEEAAFAAADDAIDLPMRDCVLVDDSI LNVRGAVEAGLVGVYYQQFD
RAVVEIVGLFGLEGEF

>RXN02480 TRANSLATE of: rxn02480.seq check: 3686 from: 1 to: 1656
MTTDDHKQLGIMYIIMSFSFFFLGGLMALLIRAEFTPGQLQFLSNEQFNQLFTMHGTVML
LLYGTPIVWGFANYVLPLQIGAPDVAFPRLNAGFWITTVGGVAMLTGFLTPGGAADFGW
TMYSPLSDAIHSPGLGSDMWIVGVGATGIGSVASAINMLTTILCLRAPGMTMFRMPIFTW
NIFVVSVLALLIFPLLLAAALGVLYDRKLGGHLYDPANGGSLWQHLEFWFFGHPEVYVLA
LPFFGIVSEIIPVFSRKPMFGYVGLIFATLSIGALSMVWAHMHFVTGAVLLPFFSFMTF
LISVPTGVKFFNWVGTMWKGHITWETPMIWSVGFMATFLFGGLTGIMLASPPDLFHLADS
YFLIAHFHYTLFGTVVFASCAGVYFWFPKMTGRMMDERLGKIHFWLTFVGFHGTFLIQHW
VGNMGMPRRYADYLDSDGFTIYNQISTVFYFLGLSVIPFIWNVFKSWRYGELVTVDPPW
GYGNSLEWATSCPPPRHNFASLPRIRSERPAFELHYPHMIERMRAEAHTGHDDINAPEL
GTAPALASDSSR

>RXN02554 TRANSLATE of: rxn02554.seq check: 9544 from: 1 to: 624
MSHTKPSIAILGAGRVGSSSLARSABAAGYEVKVAGSGAVDKIALTAELMPGAVPSTADQ
AVKDADIVFLAVPLHKFRSVNPATLEGKIVIDTMNHWVPVNGELEEDQDPRSTSEIIAE
FFAGSTMVKSFNHIGYHEIEQDAGTGRAIAYATDDVDAGAQAQLIKSFGFVPLNIGALE
NGRILEPGQEAFGAHLNKDSRLELVNQR

>RXN02556 TRANSLATE of: rxn02556.seq check: 1750 from: 1 to: 1158
LIVSTQPIIDRSALSAEHAIEVIKATLPLVGGKINEITPVFYNMFAAHPELIANTFNRRGN
QKQGDQKALAASIAATFATMLVTPDAPDPVQLLSRIGHKHVSLGITADQYDIVHEHLFAA
IIVEVLGAETVTAPVAEAWDAVYWIMANVLIGFENNLYASNDLEPGDVFREVTVTAKKQLS
ATVWEYTLAGELVAPEPGQYTSIGVVLDDGARQLRQYSLGGSDEYRIAVEDNGEVSGF
LRDRVSVGDKIEATIAAGDLVLNKDTNPVVLISQIGISTPMVGMLAGMNPEDVVLHAD
QAESTYAQVEEVQGLVEKLPKAAFEIFYRDNDQWLEVAGRIPSGASVYLCGGVEFLKNVR
EQIEALDEQPRDVNFELFAPNDWLIS

>RXN02560 TRANSLATE of: rxn02560.seq check: 4626 from: 1 to: 867
MQGNSLNLADNSERKKMPSPGELLAARYGQPATWTPPQWNETLDVIHQHRSVRRWLDKP

VDDDTIRTIISAAQSAGTSSNKQVISVIVVKDPELRKGLAGITRQMFPHLEQVPAVLIWL
IDYSRISAVAAREDLPTGALDYLDAAWGFLDAGIAAQNAIAAESLGLGTLYLGSVRND
AEAVHKLLGLPPEIVPVVGLEMGHADPPEPAGIKPPLPQEAIVHWDITYTEKNLELIDSYD
RALDTYYSTRYQGHQLWSKQTAHRAASKSFSKTNRQFLRGVFERAGFGLR

>RXN02591 TRANSLATE of: rxn02591.seq check: 6816 from: 1 to: 1830
MTTAAIRGLQGEAPTCKNELLNWIADAVELFQPEAVVFDGSAEWDMAEDLVEAGTLI
KLNEEKRPNSYLARSNPDSVARVESRTFICSEKEEDAGPTNNWAPPQAMKDEMSKHYAGS
MKGRMTYVVPFCMGPISDPDPKLGVLTDSEYVVMMSMRIMTRMGIEALDKIGANGSFVRC
LHSVGALEPGQEDVAWPCNDTKYITQFPETKEIWSYSGSYGGNAILAKKCYALRIASVM
AREEGWMAEHMLILKLINPEGKAYHIAAFPSACGKTNLAMITPTIPGWTAAQVVGDDIAW
LKLREDGLYAVNPENGFFGVAPGTNYASNPIAMKTMEPGNTLFTNVALTDDGDIWEGMD
GDAPAHLLIDWGMNDWTPESDENAAHPNSRYCVAIDQSPAAAFENWEGVKIDAILFGGR
RADTVPLVTQTYDWEHGTVMVGALLASGQTAASAEAKVGTLRHDPAMLPFIGYNAGEYLQ
NWIDMGNGKGGDKMPSIFLVNWFRGEDGRFLWPGFGDNSRVLKWVIDRIEGHVGADETVV
GHTAKAEDLDDLGLDTPIEDVKEALTAPAEQWANDVEDNAEYLTFLGPRVPAEVHSQFDA
LKARISAAHA

>RXN02596 TRANSLATE of: rxn02596.seq check: 6451 from: 1 to: 1203
MTESKNYDLIVVGSGLFGLTVAERAASQLGKKVLIVERRSHLGGNAYSEAPETGIEIHK
YGAHLFHTSNTRVWEYVNOFTSFTGYQHRVFAMHNGTAYQFPMGLGLINQFFGKYISPDE
ARELIKEQSAEIDSSDATNLEEKAISLIGRPLYEAFIRDYAKQWQTDPKNLPAGNITRL
PVRYNFNNRYFNNDTYEGLPTDGYAAWLEKMAEHELIDVRLDWDVFDVRRDDLRSNPDAPV
VYTGPLDLFYNYAEGKLGWRTLDFFETEVEVETGDFQGTVMNYNDADVPTRIHEFRHFHP
ERDDSYPKDKTIVIMREFSRFADNEDEPPYPINTPDDRDMLKQYRLLAAEEAANNKVLFGG
RLGTYQYLDHMAIGSALSMMFNDKLVPFEEGTPLEQERGH

>RXN02654 TRANSLATE of: rxn02654.seq check: 5233 from: 1 to: 885
MISLLNDPRTLFPKVDPPKQSQPEPGLDIKLSQADIGLSSYQGSGRLLKGRKALITGGDS
GIGAATAIAYAREGADVAIAYLPEEQADADRVLQAIEETGQKAFSFPGLRDPEYCRSLV
QETVNALGGLDILVNNASRQVWAPGLTEITDENFDQTLQVNLYGSFRVTKAAI PHLKPGS
SIIFTSSIQAYQPSSETLLDYAMTKAALNNLSKGLASSLIGDGIRVNSVAPGPFWTPLQPS
HGQPPQEKIEGFGQHAPIGRAGHPVELAGAYVFLASDEASYVVGETLGVGTGTPPT

>RXN02674 TRANSLATE of: rxn02674.seq check: 2941 from: 1 to: 1452
VTATFAGIDATKHLIGGQWVEGNSDRISTNINPYDDSVIAESKQASTADVDAAEYAAKKA
QAEWAATPAAERSAIIYRAAELEEHREEIWEWLKESGSTRSKANLEITLAGNITKESA
SFPGRVHGRISPSNTPGKENRVYRVAKGVVGVISPNWFPLNLSIRSVAPALAVGNAVVIK
PASDTPVTGGVIPARIFEEAGVPAGVISTVAGAGSEIGDHFVTHAVPKLISFTGSTPVGR
RVGELAINGGPMKTVALELGGNAPFVVLADADIDAAAQAAAVGAFHQQGQICMSINRVIV
DAAVHDEFLEKFVEAVKNIPTGDPSEAEGTLVGPVINDSQLSGLKEKIELAKKEGATVQVE
GPIEGRLVHPHVFSVDTSDEIAREEIFGPLISVLKADDEAHAAELANASDFGLSAAVWS
KDIDRAAQFALQIDSGMVHINDLTVNDEPHVMFGGSKNSGLGRFNGDWAIEEFTTDRWIG
IKRS

>RXN02675 TRANSLATE of: rxn02675.seq check: 8425 from: 1 to: 1857
MNEFDQDILQEIKTELDELILELDEVTQTHSEAIGQVSPHYVGARNLMHYAHLRTKDLR
GLQQRLLSSVGATRLTTTEPAVQARLKAARNVIGAFAGEGPLYPPSDVVDADFEDADEILDE
HAEILLGEPLPDTFSCIMVTLPTAATDIELVRGFAKSGMNLARINCAHDDDETVMKQ MID
NVHTVAEEVGREIRVSMDLAGPKVRTGEIAPGAEVGRARVTRDETGVLTTPAKLWITAHG
SEPVPAPESLPGRPALPIEVTPEWFDKLEIGSVINVPDTRGSRRRAFTVTRVFDGAVLAEG
PQKAYISNGTLLEHNYDRSRVYGIPAVVQRINLKVGDRLILTDEELTYDPSLGSGRTPRI
SCTLPLQAVDAIKVGHVLFDDGAIAAVCIDKTSTADGHNDVELEVTHARPQGVNLAAKYK
INLPDSELPLPSLTHEEDLQHLRFVVKYADIAAISFIRNVADVEYLLQALADIGDPVAVER
LGLVLKIETIPGYEGLAQILLTGMRHENFGIMIARGDLAVELGFDMAEVPQLIMALAEA
AHVPTILATQVLENMAKNGLPSRAEITDAAMALRAECVMLNKGPINDAIKVLTEMSRKL
GASQRKSRLLLRKVKSWEE

>RXN02688 TRANSLATE of: rxn02688.seq check: 959 from: 1 to: 669
MAGRIILLRHGQTHNNVKHLLDTRPPGAELTDLGRKQALEVGHELATYSGERLAHVYSSI
VLRAQQTAVLATSTFEKARDMQSGAIPLDVVEGIQEIINVGDFFEMRGDEEAHMNYSRALNG

WLHGDPAAAGLPGGETYKDVNLRYQPTLDRIMDSHDLDDDRDVAVVSHGAVIRIVATHATG
VDPNFAFNTYLGNCRFVVLPEPNGKKFSQWDVVRWTDSPWPQE

>RXN02765 TRANSLATE of: rxn02765.seq check: 9432 from: 1 to: 759
MSNQLPDHVRDAFQVAGAPAEQLGQAWDFGFRVGNTVFAKVTAPEVSGWSSKTRETLKPE
GVRVVRPIRSTDGRFVVAGWRASVFSTGTISKRVDETUVAGLRLADALVDTHAPEPVDNV
FNRADVQAWEEQPGRIGELLEPINRVNQVGHADMLATTLYAGTQPPAVTDLPVLRPHGF
TAALVIVDGLLLGAVDEGILRRFSLPEIEQLVLRALFLFRNLQEFSENNDPNVISNLNR
VESTLVSYVSDKI

>RXN02803 TRANSLATE of: rxn02803.seq check: 251 from: 1 to: 657
VSGEMLAAALSAGMASQGV DVIRVGVIPTPAVAFLTDDYGADMGMISASHNMPDPNGIK
FFSAGGHKLDPHVEDEIERVMDSLPAEGPTGHGVGRVIEEATDAQDRYLEHLKEAVPTSL
EGIKIVVDAANGAASVVAPTAYEAAGATVIAIHNPDSYNINMDCGTHIDQAQPPVLKH
GADLGLAHGDADRCLAVNKDANLVDGDQIMALLAIAMK

>RXN02821 TRANSLATE of: rxn02821.seq check: 9220 from: 1 to: 240
MNEIILAQDATESTITGLGAVGYGIATIGPGLGIGILVGKALEGMARQPEMAGQLRTTMF
LGIAFVEALALIGLVAGFLF

>RXN02829 TRANSLATE of: rxn02829.seq check: 1194 from: 1 to: 273
MQKNILKSGIEISELGLGCMISLGT DYKKAQPIIESAIDNGITYFDTADIYDQGVNEEIVG
KALKKYQNRDDIVIGTKVGNRLTDDGHMTWD

>RXN02920 TRANSLATE of: rxn02920.seq check: 9771 from: 1 to: 912
MKFVMYPHLWESTTAVIEGGGHERVEDIKDADFIFFNGSAPEFPDLPENIKFVQASMAGI
DALVKRGVVNEKARWANAAGLYADTVAESTIGLILAQMHMHATTRLAKSWSVRPEVENNK
SWLHDNKTVAAILGAGGIGVRLLEMLKPFNVKTI AVNNSGRPVEGADETFAMDKAEHVWAE
ADV FVLILPLTDATYQIVNAETLGKMKPSAVVVNVGRGPLINTDDLDALNNGTIAGAAL
DVTDPPEPLPD SHPLWEMDNVVITPHTANTNERIRALTGELTLRNIELFEAGEQMATEVDV
VAGY

>RXN03014 TRANSLATE of: rxn03014.seq check: 5818 from: 1 to: 906
YVGFEVLLVASVLLTLGASPARVRSGVGYVMVSMASSMVFLFGLAMVYASVGTNLMAHV
GLRMEDVPSGTRSAIFAVLLVAFGIKAAVFPLDSWLPDSYPTAPSLVTAVFAGLLTKVGV
YSIIRARSIIFTDGS LDTMLMWVALATMLIGILGAMAQNDIKRLLSFTLVSHIGYMI FG
ALGSAQGLSGAIFYATHHILVQTSFLVLVGLVERQAGSSSLRRLGSLAYISPLLAILYFI
PAINLGGIPPFSGFLGKIMLIEAGARRWQLAGMGPYRRRRCHLTAHLVHHGSGVLQGLLA
RP

>RXN03015 TRANSLATE of: rxn03015.seq check: 9736 from: 1 to: 282
LGVGTPQQKGTAAADLT YVRQVVEDLVPLLEGEHIIFGKSTVPVGTAEQLQELADSLVKP
GSHVEIAWNPEFLREGYAVKDTITPDRIVVGVRE

>RXN03030 TRANSLATE of: rxn03030.seq check: 5862 from: 1 to: 564
VLPLDPAASLKIYPLVTGR TKIDEVQLQLEAAIRAE LPGVTLVSSESEADLAIVWARPEI
ALFEDDLEGVSLSDPRANGVDVERVQAVEAAVPTILAVNFTNPWVLSEIEPGAAAVVGT
FEIKPEFLLKALTGOEGGPKGKLPLTVPASMQAIA DSPRDI PGKFLDESITYYVDSAGMAY
KYGHGLNF

>RXN03043 TRANSLATE of: rxn03043.seq check: 4634 from: 1 to: 1362
DLGFRQEVSRQGGIPSYPHPHGMKDFWEFPTVSMGLGPMDAIYQARFNRYLENRGIKD
TSDQHVAFLGDGEMDEPESRGLIQQAALNNLDNLTFVVNCLNQLDGPVRGNTKIIQEL
ESFFRGAGWSVIKVVWGREWDELLEKDDQDGLVEIMNNTSDGDYQTFKANDGAYVREHFF
GRDPRTAKLVENMTDEEIKWLP RGGHDYRKVYAA YKRALETKDRPTVILAHTIKGYGLGH
NFEGRNATHQMKKLTLDLKLFRDKQGIPTDEQLEKDPYLPYYPGDAPEIKYMKER
RAALGGYLPERRNEYDPIQVPLDKLSVRKSGSGKQIATTMATVRTFKELMRDKGLADR
LVPIIPDEARTFGLDSWFPTLKIYNPHGQNYVPVDHDLMSYREAPEGQILHEGINEAGS
VASFIAAGTSYATHGKAMIPLYIFYSMFGIPAHR

>RXN03044 TRANSLATE of: rxn03044.seq check: 1253 from: 1 to: 831
 MARGFLGATAGRTTLTGEGLQHMDGHSPVLASTNEGVEYDPSFAYEIAHLVHRGIDRM
 YGPGKGEDVIYYITIYNEPTPQPAEPEGLDVEGLHKGIIYLSRGEGTGHEANILASGVGM
 QWALKAAASILEADYGVRAIYISATSWVNLARDGAARNKAQLRNPAGADAGEAFVTTQLKQT
 SGPIYVAVSDFSTDLPNQIREWVPGDYTVLGADGFGFSDTRPAARRFFNIDAESIVVAVLN
 SLAREGKIDVSVAAQAAEKFKLDDPTSVSVDPNAPEE

>RXN03056 TRANSLATE of: rxn03056.seq check: 8420 from: 1 to: 678
 LDAAGISLSAVGSDFGKINITDPFEDHLERARHGVEVAKLFGAKYIRMFSSFFIAEGDNPE
 SFRKEVLSRTHAMVELAEAGGITLLHENEKGIYGDSPQRVKDLITSIDSPNYRAIYDAAN
 YVQTGFKPFDEAWPIVKDYVDYVHIKDATIPDAEHPIGIIPAGQGDGQYPELLAALNAD
 GYNGFVSIEPHLGDFDEFGGLCGPDLWTSACDALAGILNNINAEYN

>RXN03057 TRANSLATE of: rxn03057.seq check: 8669 from: 1 to: 672
 LASDLGIKFVAVVDKDLTAEKFATGLGAAGDSSESVKAHGSPLAFLSKKKIDVLHITT
 PHDQHIGLALALHGVNVILEKPLANELDQAQLRIDYLDENPDGPKIAVCYQNRYNVSS
 QELRRLDSDGLGAINGAYSSVWTRTPGYITQKPWRGQQAHS GGGLLMNQAIHTLDDLQ
 WFLGKATEVKGTVSTDKYADVIDVEDTAHAYIGHESGVHTSEVS

>RXN03061 TRANSLATE of: rxn03061.seq check: 2307 from: 1 to: 330
 VSLTFPVINPSDGSTITELENDSTQWMSALSDAVAAGPSWAAKTPRERSVVLTAIFEAL
 TERAQELAEIIHLEAGKSDAEALGEVAYGAEYFRWFEEEAVRLPGRYGQS

>RXN03076 TRANSLATE of: rxn03076.seq check: 6328 from: 1 to: 1590
 MDESRLSFGTAGLRAPVGPARGHQMNVLQVTRTTAGVASWLAERAALNPVPHLVPEDETG
 IGRALYPQDGLRVVVGYDARYGSHTFAATTAEVFAGAGFEVTLPTSPPTPLIPWLVNK
 HGLDAGVQITASHNGAADNGYKVFLSNGRQLYSELEPELEAHINAVEDPIRVPRVTVRPT
 ADQLRRYVDEMVS LVTDPQADLLRVNSERGNLRVVY TALHGVGGRAMANAFQFAGFPHTH
 GVKAAQQYPDPTFPTVAFFNPPEPSAIELLLERAKEKNADILFALDPDADRCVAGGIRTADG
 GHRMLSGDEVGTLATRLVPEYS GEGPRPVVATTVVSSQLLGIIAEDKGWDYSETLTGFK
 NLSRAADGLDGLAFAYEEAVGTCPVPDVVPDKDGISTALFMAWAAELKAQGASLQQKL
 NELYRRYGYFASSQIAVRTSSPRELVDHWIAHPQOELIGVSVTPHILPEKQGIALHGQVG
 HVHIRAIGRVSGTEAKAKLYLEVQGASSHDEAAQLLHQLEDEVQSWLSKL

>RXN03083 TRANSLATE of: rxn03083.seq check: 465 from: 1 to: 1023
 MAKRIVIIGGGPAGYEAAALAGAKYGAEVTVIDVGVGSAVTMDCVPSKSFIAGTGIKTD
 LRRADDMLNRLGLGAHLEIDALNIRVKDLAKAQSEDLGLQQRSDVRMINGVGRFDDYN
 TKQTTHYIKVTHSDGSEETVECDLVLVATGATPRILKGAEPDGERILTWQVYDIEELPT
 HLIVVSGSVTGAEFVSFAELGVKVTMVASRDRILPHDDADAADVLETVLAERGVSLKX
 ARVESVTRTEDGGVCVVRTADGREIYGSHALMTVGSIPNTADLGLNIGVELAPSGHIKVD
 RSPAPTSPVCTQQVTVLTYSHWRLQRCRAVSPCITHSVKA

>RXN03086 TRANSLATE of: rxn03086.seq check: 7524 from: 1 to: 408
 MADQAKLGKPSDDSNFAMIRDGVASYLNDSDPEETNEWMDSLDGLLQESSPERARYLML
 RLLERASAKRVSLPMTSTDYVNTIPTSMPEFPGDEEMEKRYRRWIRWNAAIMVHRAQR
 PGIGVGGHISTYAGAA

>RXN03087 TRANSLATE of: rxn03087.seq check: 9553 from: 1 to: 213
 MKIYAPFAGIVHYFVDEGDPVETGMQLGTVETIKLEAPIMAPGPGIVAKVSFDDFSDVTG
 GDELLELEAKN

>RXN03096 TRANSLATE of: rxn03096.seq check: 423 from: 1 to: 402
 MVLVWSKAFWRDRKDAPDGATALARPAPLVDIQDEVAVKDRNDVGRMPWGMVFSTALLVS
 ASLAVSVLAGPLSSITGRAESAQDVNIYRAAVLGPTTSTHHAHSRWSVTPTAMTSTTA
 STPMERRTNHDQWI

>RXN03101 TRANSLATE of: rxn03101.seq check: 8362 from: 1 to: 582
 ILADEDDTVDVGAVIARIGDANAAAAAPAEAAAPEEEEEPVKEPKKEAAPEAPAATGAA
 TDVEMPESGESVTEGTITQWLKAVGDTVEVDEPLLEVSTDKVDTEIPSPVAGTIVEILAD

EDDTVVDVGAVIARIGDANAAAAAPAEAAAAPAEAAAAPVKEEPKKEEPKKEEPKKEAATTPA
AASATVSASGDNVP

>RXN03112 TRANSLATE of: rxn03112.seq check: 9249 from: 1 to: 504
VEIFGKTVGIVGFGHIGQLFAQRLAAFETTIVAYDPYANPARAAQLNVELVELDELMRSR
DFVTIHLPKTKETAGMFDHLLAKSKKGQIIINAARGGLVDEQALADAIESGHIRGAGFD
VYSTEPCTDSPLFKLPQVVVTPHLGASTEEAQDRAGTDIADSVLKALA

>RXN03117 TRANSLATE of: rxn03117.seq check: 3867 from: 1 to: 1512
MITHEVRTHRSAAEFPPYKKHLAHKMARVAADPVEVAADTQEMIITRIIDNASVQAASVLR
RPVSSARAMAQVRPVTGGRGASVFGLPGRYAAEWALANGTAVRELDHDTFLAAEYSHF
GDNIPPILAAQQAGKGGKDLIRGIATGYEIQVNLVRGMCLHEHKIDHVAHLGPSAAAGI
GTLDDLVDVTIYQAIGQALHTTTATRQSRKGAISSWKAFAPAFAGKMSIEAVDRAMRGE
APSPIWEGEDGVIAWLLSGLDHIYTIPLPAEGEAKRAILDYTKHEHSAEYQSQApidLAR
SMGEKLAAQGLDLRDVDSIVLHTSHHthyVIGTGSNDPQKFDPDASRETLDHSIMYIFAV
ALKDRAWHHERSYAPERAHRETIELWNKISTVEDPEWTRRYHSVDPAEKAFGARAVITF
KDGTVVEDELAVANAHPLGARPFAREQYIQKFRTLAEGVVSEKEQDRFLDAAQRTHELED
LSELNIELDADILAKAPVIEPLF

>RXN03144 TRANSLATE of: rxn03144.seq check: 7951 from: 1 to: 900
TTTATRQSRKGEISSWKAFAPAFAGKMAIEAMDRAMRGEKSPAPIWEGEDGVIAWLLSGK
DHVYHVPLPEHGEPKLGILETYTKHEHSAEYQSQApidLARRMKPLVDAAGGTEHIAEIVL
RTSHHthyVIGTGANDPQKMDPQASRETLDHSIMYIFAVALQDGVWHHEFSYTRKRSTRP
ETVELWHKIRTVEDPEWTRRYHSDDPAKKAFGAKAVITMADGTVIEDELAVADAHPLGAR
PFARENIEKFRTLAQGIVIDSEQERFLHAVQSLPDLDDLQNLNIEVDISNQATKAGLL

>RXN03150 TRANSLATE of: rxn03150.seq check: 9986 from: 1 to: 624
VEAQFTSPLLNNQTCFLGTRILAPKSRyAEVVDAAFTAFAGSLQVGTSSPDQIGPMAT
ARQRERVESYISQGNAGARITVGGSRPRDLDAAGFFVEPTVFADVDNRAAIAQDEIFGPV
PSVVSQDDEHAIQLANDSEFGLGGTVWTS DPERGAALARRVHTGTIGINRYIPDPAAPF
GGVKNSSGLGRELGPGLASYQETQTIYL

>RXN03179 TRANSLATE of: rxn03179.seq check: 7214 from: 1 to: 666
AREAWRIFMSHWDLyAGTATGYWVEQEFHVFGINAERLNVGTPEHADAIFDELTDILAK
PDRPRALAEQFNLEVLATDDPLDDLADHKALADDPFSPRVLPFRPDAYTKMYNAGW
AEKTTKLIDTAGDGKAGWEGYLQAMRNRQYFINHGATSADHGLHDTDTTPLSHKDAQKI
LDKGLAGTATLAEMHAFEANTTYRSRKCPRRLVMTIHQVCT

>RXN03180 TRANSLATE of: rxn03180.seq check: 39 from: 1 to: 510
FGENKDLISDSSFNRWLRTVSLGSTQDADMAAASNLAAANSKMARQNTDILDVSDGGVM
LGRNGALVLGPVVGTLHIKFIAPLNKRVERVMYKTGLSEAAAAEQCALEDRLEEMAHAL
YQWNPGRDENYDLVINTGSMTYEQIVDLVVETyARKYPLHVRIIPNGKDQ

>RXN03186 TRANSLATE of: rxn03186.seq check: 9438 from: 1 to: 210
MADQAKLGKPSDDSNFAMIRDGVASYLNDSDPEETNEWMDSLDGLLQESSPERARYLML
RLLERASAKR

>RXN03187 TRANSLATE of: rxn03187.seq check: 1211 from: 1 to: 279
VAVSDFSTDLPNQIREWVPGDYTVLGADGFGFS DTRPAARRFFNIDAESIVVAVLNSLAR
EGKIDVSVAQAQAEKFKLDDPTS SVSDPNAPEE

>RXS00584 TRANSLATE of: RXS00584.seq check: 7788 from: 1 to: 1125
MHSPERQEKMSPPVSLNAASTSNKRVVAFHELPSPTDLIAANPLTPKQASKVEQDRQDIADIFAGDD
RLVVVVGPCSVHDPEAAIDYANRLAPLAKRLDQDLKIVMRVYFEKPRITVIGWKGLINDPHLNETYDIPE
GLRIARKVLIDVVDLPVGCFLPNPQYYADTVAWGAIGARTTESQVHRQLASGMSMPIGFKNGTD
GNIQVAVDAVQAQNPHEFFGTSDDGALS VVETAGNSNSHII LRGGTSGPNHDAASVEAVVEKLGENAR
LMIDASHANSKGDHIRQVEVVREIAEQISGGSEAVAGIMIESFLVGGQNLDPKLRINGGEGLVYQGS
VTDKCIDIDTTIDLLAELAAVRERRAAK

>RXS01260 TRANSLATE of: RXS01260.seq check: 3260 from: 1 to: 1182

VTFNYEDAHKRSRGVSDKIVGGVHYLMKKNKIIIEIHGLGNFKDAKTLEVTDGKDAGKTITFDDCI IATG
SVVNTLRGVDFSENVVSFEEQILNPVAPKKMVI V GAGAIGMEFAYVLGNYGVDVTVIEFMDRVLPNEDA
EVSKVIAKAYKKMGVKLLPGHATTAVRDNGDFVEVDYQKKGSDKTETLTVDVVMVSVGFRPRVEGFGLE
NTGVKLTERGAIEIDDMRTNVDGIYAIGDVTAKLQLAHVAEAQGI VAAETIAGAETQTLGDYMMMPRA
TFCNPQVSSFGYTEEQAKEKWPDR EIKVASFPFSANGKAVGLAETDGF AKIVADA EFGELLGAHLVGAN
ASELINELVLAQNWDLTTEEISRSVHIHPTLSEAVKEAAHGSGHMINF

>RXS01261 TRANSLATE of: RXS01261.seq check: 5376 from: 1 to: 171
VTEHYDVVVVLGAGPGGYVSAIRAAQLGKKVAVIEKQYWGCVCLNVGCIPSKVSDQKR

>RXS01758 TRANSLATE of: RXS01758.seq check: 8853 from: 1 to: 1017
MPKYIAMQVSESGAPLAANLVQPAPLKSREVRVEIAASGVCHADIGTAAASGKHTVFPVTPGHEIAGTI
AEIGENVSRWTVGDRVAIGWFGGNCGDCAFCRAGDPVHCRRERKIPGVS YAGGWAQNIVVPAEALAAIPD
GMDFYEPAPMGCAGVTTFNALRNKLDPGA AVAVFGIGGLVRLAIQFAAKMGYRTIT IARGLEREELAR
QLGANHYIDSNDLHPGQALFELGGADLILSTASTTEPLSELSTGLSIGGQLTIIGVDGGDITVSAAQLM
MNRQIITGHLTGSANDTEQTMKFAHLHG VKPLIERMPLDQANEAIARISAGKPRFRIVLEPNS

>RXS02574 TRANSLATE of: RXS02574.seq check: 9855 from: 1 to: 1008
LARAQIPEQQRDQVASLMMVGVANYDQALDALNQGVGGIFIGSWTDENLLTEPGRNIEALREAVGRDFS
VSIDFEGGRVQRATNILGDFPSPRVMAQTMTPEQVEDLAEILGTGLAAHGVTN FAPVVDVD AWGLPVV
GDRSFSNDPAVAATYATAFAKGLSKVGITPVFKHFPGHGRASGDSHTQDVVTPALDELKTYDLIPYQGA
LSETDGA VMVGHMIVPGLGTDGVPSSIDPATYQLLRSGDY PGGVPFDGVIYTD DLSGMSAISATHSPA E
AVLASLKAGADQALWIDYGLGSAIDRVDA AVSSGEYPQEQMLASALRVQLLYITRLEQK

>RXS02735 TRANSLATE of: RXS02735.seq check: 6182 from: 1 to: 705
MVDVVRARDTEDLVAQAASKFIEVVEAATANNGT AQVVLTGGGAGIKLLEKLSVDAADLAWDRIHVFEF
DERNVPEVSDSESNEGQAREALLSKVSIPEANI HG YGLGDVDLAEAA RAYEAVLDEFAPNGFDLHLLGMG
GEGHINSLFPHTD AVKESSAKVIAVFDSPKPPSERATLTLP AVHS AKRVWLLVSGAEKAEAAAAIVNGE
FAVEWPAAGATGSEETVFLFLADDAAGNL

>RXS03215 TRANSLATE of: RXS03215.seq check: from: 1 to: 1008
IDVVSVVVANFLHREIVEALLASGKHVLCEKPLSDTIEDAEAMIEAAGRAATNGTIARIGLTYRRSPGV
AHIRDLVQSGELGKVLHVTHGYWTDYGSNAQAPISWR YKGPNGSGALADVGSHTLYLAEFVAGSDFAAV
RGGQLSTVITERPKPLCAIVGHEGGA VSD EYEAVENDDIASFSGSFIGGGTATLQVSRISQGHNTLGF
EVFCEKGSVLFDFRNSGEFKIFT PATSGDISQEAGYRTITIGPKHPYWRGGLAMDAPGVGIGQNEG FVF
QARAFLEEIAGISEAESLPRCATLEEG LHMQLIDAVSQSAAAGGETVAVPAAALIPANN

>RXS03224 TRANSLATE of: RXS03224.seq check: from: 1 to: 1158
MSFAEHAI IWHVYPLGALGAPIRPEAPAPVTHRLPNLIGWLDYVVELGCNALMLGPVFESVSHGYDTLD
FYRIDPRLGTEEDMDALLEANQRGIGVLF DG VFNHVSSSSKYLDLTGASFEHGDILAELDHTNPAVV
DLVVDVMNHWLDRGIAGWRLD AVYIAPEFWEKVLPEVRRKHPHAWIVGEMIHGDYSDYVKSSGIDSVT
EYELWKAIWSSIKERNFFELEWTL SRHNEFLDTFVPQTFIGNHDVTRIATRIGQSNAILAAAILFTVGG
TPSIYYGDEQGGFTGLKEDNVFGDDAIRPPLPAEFSPLGTW IENIYKALIALRRQHPWL YQAHTEVLEIA
NEAMTYKSVGLGGEELTVHLDLEEVSVRILDGEKVL FQYSA

>RXC00233 TRANSLATE of: RXC00233.seq check: 7055 from: 1 to: 417
MSVNEADLNAVEEQ LGRAPRGVLDISYRSPDGVPGVVM TAPKLDDGTPFPPTLYLTDPRLTTEASRLEV
ALVMKWMTDRLSTDEELRADYQRAHEHFLAKRNAIEDLGTD FSGGMPDRVKCLHVLIDYALAE GPHHF
L

>RXC00236 TRANSLATE of: RXC00236.seq check: 116 from: 1 to: 726
MVISFVGWALS FMDGTAPIRQLQQIPEDVPPARGVEVPQIDTEADGRTSNHLRFWAEPIAQDTGVSAQA
IAAYGNAELIASTAWPGCNLGWNTLAGIGQVETRHLGTYNGKMEGGSSLDENG VATPPIIGVPLDGSPGF
AEIPDTGGELDGDEYDRAVGPMQFI PETWRMLGLDANGDGVADPNQIDDAALSAANLLCSNDRDLST
PEGWTA AVHSYNMSNQYLMDVDRDAAS YALRQPAI

>RXC00271 TRANSLATE of: RXC00271.seq check: 7582 from: 1 to: 990
MFSSRSKVLASIFTVGALALASCSSDSSDSSSTSTDAAGGDSYRVGINQLVQHPALDAATTGKFKEAFEEA
GVDVTFDEQNANGEQGTALTISQQFASDNLDLV LAVATPAAQATAQNITDIPVLF TAVTDAVSAELVDS
NEAPGGNVTGTSDIAPIEQQLELLQQLV PDAKSIGIVYASGEVNSQVQVDEVTKAAEPLGLSVNTQTVT

TVNEIQQAVEALGDVDVIYVPTDNMVVSGISSLVQVAEQKQIPVIGAESGTVEGGALATLGIDYTELGR
QTGEMALRILQDGEDPATMPVETATEFTYVINEDAAERQGV EIPQEILDKAERV

>RXC00338 TRANSLATE of: RXC00338.seq check: 9343 from: 1 to: 1140
VSDVTVGDIRRILDEAYPPALAESWDKVGLICGDPTESVKRVGLALDCTQAVADKAVDMGLDMLIIHHP
LLL RGVTSVAAD E PKGKVIHTLIRGGVALFSAHTNADSARPGVNDKLAELVGITAGRPIATRLLGGMDK
WGVHVL PKDAAYLKMLFDAGAGAIGDYRECAFEIEGTGQFRPVEGANPAEGDVDFKLSLELRIEFVA
PRNLRLRLTSVLREAHPIEPAFDIVEMHSAESLENATGLGRVGELPEPMLRADFVQQVANNLPVTEWG
VRATGDPEQMVSRAVAVSSSGSDSFLNDVIKLGVDVYVTSDLRHHVPVDEYLREGGPAVIDTAHWASEFPW
TSQAQEILQDKAPQVEVDVISIRTPWTMSARAVN

>RXC00362 TRANSLATE of: RXC00362.seq check: 1707 from: 1 to: 1347
MGIIALLVFIAIAVILNVFLKRDISEALLVGLVGTALVGGVNAPTLLIDAVVDAAQSEVTFAGMAFVFM
GIVVQSTGLIDRLIAILNSIFGRLRGGAGYVSTLGSALIGLIAGSTAGNSATVGSVTIPWMKKTGWTA
RSATLVAGNSGLGVALPPNSTMFIIALPAAAASSASQVYIALACGGAYAVLYRLAVVFYWRKDKIPA
TPDDQRVSFGEAMKTGWRSPILFLGILIPVILTIGPLSEWLKTHGVGESGVKSMSIIVWVPILITAI
IEGRKRIANNMAHFRVQISKDLPQFATVGISLFSALAAANIMEELGVGPQLSNWLDSDMLPKSVMVIV
CIMCIVVATPLSSTATAAAIGAPAVAALAAVGIDPTVAIVVILLCTSTEGASPPVGAPIYLSAAIADAN
PTKMFVPLITYFVVP MILLAWLVGMGFLPVIVPTG

>RXC00412 TRANSLATE of: RXC00412.seq check: 7568 from: 1 to: 1080
VSHTASTPTPEEYSAQQPSTQGTRVEFRGITKVFSSNNKSAKTTALDNVTLTVEPGEVIGIIGYSAGKS
TLVRLINGLDSPTSGSLLNGTDIVGMPESKLRKLRNSNIGMIFQQFNLFQSRTAAGNVEYPLEVAKMDK
AARKARVQEMLEFVGLGDKGKNYPEQLSGGQKQRVGIARALATNPTLLLAD EATSALDPETTHEVLELL
RKVNRELGITIVVITHEMEVVRSIADKVAVMESGKVVEYGSVYEVFSNPQTQVAQKFVATALRNTPDQV
ESEDLLSHEGRLFTIDLTETSGFFAATARAEEQGA FVNIVHGGVTTLQRQSF GKMTVRLTGNTAAIEEF
YQTLTKTTTIKEITR

>RXC00526 TRANSLATE of: RXC00526.seq check: 7744 from: 1 to: 690
MSLIEMRNIVKTYNIGSEGELTVLHGVDHFVDRGEFVSVVGTSGSGKSTMMNIIGLLDKPTDGTYTLDG
VDVLDISDDALASHRAKSIGFVFQNFNLIGRIDALKNVEMPMYAGIPAKQRRSRAVELLEVMGMGERL
NHEPNELSGGQKQRVAIARALANDPEIILADEPTGALDSATGRMVMDIFHQLNKEQKGTIVFITHNPEL
ADESDRVVMTVDGRIIGSEVKHS

>RXC01004 TRANSLATE of: RXC01004.seq check: 9066 from: 1 to: 1062
VSIWATVLLIIIVLLSANAFFVAAEFALISSRRDRDLSLVSQGKGAEKVLYATEHLSIMLAGAQFGITV
CSLILGKVAEPAIAHPIEVPFTSWGVPNDLIHPISFVIALAIITWLHILFGEMVPKNIAIAGPETLGMW
LAPVLIAFVKITRPLIEFMNWIARLT LRAFGVEQKNELDSTVDPEQLASMISESRSEGLLDAEEHARLS
KALRSEQRSIKELVIKDEDVRTLA FGKSGPTLHQLEEAVRETGFSRFPVTGRDGSYLG YIHIKDILPRL
ADPEMDPSETIPRSALRPLSNVDADGLMDVDLDFMHYRSAHMAQVRLKGELLGVITLEDLIEEYVGTVN
DWTHESSDD

>RXC01017 TRANSLATE of: RXC01017.seq check: 6264 from: 1 to: 609
MAQKVTFWFDTTCFFCWVTSRWIKEVEQVRDIEIQWVPM SLAVLNEGRDLPEDYKERMKAAWGPALVFA
AVATDHADKLGDLTAMGTIRHNDGRGPIEGSFNDVIAEAL EEVGLDAALGEVADTTEWDDALRAFHQ
TAMDEVGNDVGTPVVKLGDTAFFGPVLTRIPRGE EAGEIFDASFKLASYPHFEIKRSRTENPQFD

>RXC01021 TRANSLATE of: RXC01021.seq check: 6144 from: 1 to: 522
MSSSESSRSEGSQPAPSVQPERRADSTGAPAAASKEASQQMDAAGVLEWARTAVEQLSERRAEINALNV
FPVPDADTGSNMITYMTAALDEALKLGELGDVARITEALAVGSVRGARGNSGVVLSQVLR AIAQAAADG
VIDGHTIQEALS IARSLVDRAITDPVEGT VVTVLRS

>RXC01212 TRANSLATE of: RXC01212.seq check: 3583 from: 1 to: 924
MPMTTTPAIDVTDLVRTYGDYTAVKGLNFHVQRGEVFGLLGTNGAGKTSTLEVIEGLSAPSSGTVRISG
LDPVADRAILRPELGIMLQSGGLPSQLTVAETMDMWHGTCTYPRAIKDVLADVDLLHRENVKVGALSGG
EQRRDLACALLGDPSILFLDEPTTGLDPESRRHTWQLLLDLKQRGVTMMLTTHYLEEAEFLCDRIAM
NAGEIAVEGTLDELVAREKSIISFVLRGGQVELPVLSGAEIIRDNNHVR IATTTLQQHTLEILTWAET
GIALEGFAAKPATLESVFMDIASLENTSLQTA

>RXC01306 TRANSLATE of: RXC01306.seq check: 7259 from: 1 to: 1008

MTEWYVVLPAIILLIALSAFFVIIIEFALLAARRNRLEETVETSRSSRAALRSLNELTLMLAGAQLGITM
VTFALGAITKPVVHYALMPLFEWARIPLVMADVIAFILSLFIVTFLHLVIGEMAPKSWAIAHPETALRT
IAIPARGFINLFRPLLQWINKMANDLVRKVGETPVDRAAAGGYDSDLHALIEHSRETGALDQQAQI
SGI IKLDKITVGTLTASPFTHSASATVAEVQAAAQRSGSLRVLIDAPSHLFPHVIHVRDTLGASPD
ASKWSRPILTVAETDTLHQALEYMRHNEQISAVLSADGKTVLGVITWDHILKYLWPASV

>RXC01366 TRANSLATE of: RXC01366.seq check: 5562 from: 1 to: 390
VSQFRRCRPGCGKPAVATLTAYSDSTAVVGPLAPAAEPHSWDLCEHHAERITAPLGWEMLRVNDIKV
DDDDDLTALAQAQVREAGRTVSGLVPEDEVGGNHPVNRSARIAEQKVHRRGHLYVVPDQDES

>RXC01372 TRANSLATE of: RXC01372.seq check: 5614 from: 1 to: 591
QDTFVLPTLPTAAGLSPARIVASISTLLDLLEADPSIISDRLEHLADCIDEEVESLSPERDELVNPRGK
LRAYVDHARIVHTGRTDVGLAIANVIAPIWTRRGLVSAVLDFPELMESLPELRGPEPITDDIFHDPFID
DEPGVVPFRAVVWAEDEEPGIPDAMAQSCDGPSKGALTQALRLLVRGQSATTYSIEEKDL

>RXC01659 TRANSLATE of: RXC01659.seq check: 8569 from: 1 to: 546
VAGVAQRFVDERIHVGLDSMPEAVTAVWMESDWVLAETIKGSTPSDWEEILRPLALLTDASFTLPPRST
RAQTLDLKHLEPSRLKPEQPEKPAFTPNASEEDLSQPLVIRPEEPLQMPVRGVQESRGVVEPRSLGADD
VESIAEGDPERPSDLYGTRVLRDLNGQSSIFQDSTDADEPPKKW

>RXC01663 TRANSLATE of: RXC01663.seq check: 7844 from: 1 to: 858
MEISVLIIAAILVAGIVLWRADSSQAAKKAESPVGSVAPAPVLVEEEDPEFEPELDPEPEAQPEPE
LEVAPRFAPEPVQDLEPDQAEDIYFDDSPELDADVENALAELETEVEDYPEEPVQSEQPAPATAEVAAD
EEQRGVDKHSFLSSSLPGSQRRERRNWAAKHHFDFIKEDAFITDEWSRGAASTGAVARDVVSMAEGYET
HLVDLACVPVMMARRGITSDDVIDARRGEQPADPEREESDDLVEIDTVSGFRLLSTWRGLRSVLSTSAF
TSVWIPCQKL

>RXC01693 TRANSLATE of: RXC01693.seq check: 6379 from: 1 to: 1422
MNTAPFKLEADFAALPTMAAPWQGEAPNPVLINDDLAYSLGLDPTWLRTPEGVQFLLGLNPEPLT
KAVAQAYSQGHQFGQFVASLGDGRALLLGEARSADGVLHDIHLKSGSGRTQFSRGADGRAVLGPVLRREYII
SEAMHALGVPTTRSLAVISTGRKIQRGSVAPGAVLVRVATSLIRVGSFQYSNISGGIELSQHLANYTTT
RHEPSLVAELSAPTPTATYVSLFKAILQRQADTVGKWTRLGFVHGALNTDNTLISGETVDYGPACFMERY
RGDAKFSSIDTYGRYKFENQPMILGWNMARLVETLLFLGATPDEGMTAAQEALVEFDDLCEQAIKKEF
ATALGLDESSTGTVEQFRELlyLHNPDIITLLRALTDNTAPPSGFEEAFVHDWKTQDPDIEAMRAVNPLEF
IPRNHLVEAALADAVEGNLEKFHELLAAVTNPFDPDTPAGPDELRLPSEEGFEEDYMTFCGT

>RXC01703 TRANSLATE of: RXC01703.seq check: 3504 from: 1 to: 1113
VAWPSNAKEKLFHWHYWWQAHYLDCLVDAARRRTTKARRDRIRDITIRGISVRNVGKLTSNRYDDKAW
LALALGRAGKVRKVRTPKSLPSLEQNIVDGDIDSLTGVLPWRSGETFYNVPSNGPAAIMMARTDRLEAM
KITDWIFDNLIDGDGLVMDGLMRMHGPELVRSIHPYCQGVAGACLEIALKLRRERAGLTTTVVDHWS
ADKAEDSLKYFAHIHAVVQAVSRKMTNFHGVIDWDTGDDGGLFKGILVRYLADVAIRLPDDSPNRET
KKIAARLVLESAESVWNHRLVDGLPVFATDWTTDARLPQNFGLSSSSSLSDLVSVVRVDERDLVQLSG
WMLMEAAAKVAEELENNNGNSYTGRSR

>RXC02254 TRANSLATE of: RXC02254.seq check: 1030 from: 1 to: 777
IAVAEEGGLWENLLQHREFGGHGALAGHALGNLVIAALTDILGTSQHALDQIAQLAGAKGRIIPVCAEPL
DLEAEVSGLDSDARVMRQVRGQVAVAAATPGQVRRVRIIPDNPEPNPAAIEAILDADLVTLGPGSWFSSV
IPHILVPGIVDALAQTKATKTIVLNLITSEPGETAGFSAERHIVLRQHARNLQVDQVIVDAKTLSSQTE
RNHVERAARTLGAEVSFHDVQAEDGRGRFTSIHDPKALCAALLASFAGARKR

>RXC02255 TRANSLATE of: RXC02255.seq check: 729 from: 1 to: 936
VAKNSVRAAEVSAILRFAGEMQAVGGKLVIEANLDSMQVGMRLQEFIQGLYNSRVDVHTVNPTVSRKTP
RYLVRIIDNADEIARRTGLVTRSGHVVKGLAPSVVSGTISDAEAAWRGAFLANGSLSDPGRSSSLEVL
PGQESALALVGCARRIGIAAKTKDSRGFDRVNRDAEAI GALLTRMGAQKTRMLWEEKRIKRESRTPQT
GLANFDDANLRRSARA AVAAAARVERAMKILGDDVPEHLAEAGQLRVQHRQASLEELGRLADPQMTKDA
VAGRIRRLTMDAKRAEDLKIPDTNSVVTEDLLEEI

>RXC02435 TRANSLATE of: RXC02435.seq check: 470 from: 1 to: 558

VTDNLGSTSIGDAWILYAPLMDDGGFGPLRAIGGMFLHIGPGHMLLNVLWLLGREIERDFGSALFTA
MYFVGGIGASAAVIWMDPYSPTAGASGAIYAMMAILVGLFVLRSAIRAPLILIAINIAYTLMSTNVSL
WHLGGLITGALITWPMVKAKTQRTRWIIIVLIGFAVVVAIVILGIDRV

>RXC03216 TRANSLATE of: RXC03216.seq check: 470 from: 1 to: 558
MKLGLYNAIFHDRTLPEALAAIKAAGLTGIELNTGGFLPATHIPTIDDILVSDDARDEFLGIFEGTGVD
IYGLNCNGNPLHPNKAIGDKHAEDIRRSIRLAERLGQNRVVTMSGLPGGEPGAKYTNWVVNAWNSAALD
VLDYQWDIAAEFWRETDREFAADHGVKVALELHPQNIVFNSADVHKLIDLTGATHVGVELDASHLFWQQM
DPIAVIDHLGELIFHAAAKDVRVNKEWAQLNGVLDNSFRRLDPSENRTNLGGDEWANEPKNSAWDFVA
LGRGHDVAYWTEFLRALHRVDPNMLVNIHEDVSLGREGVNEAAKVLEANKALEESLVS